TENDER NOTICE

Pak-Austria; Fachhochschule: Institute of Applied Sciences & Technology (PAF-IAST), Mang, Haripur invites sealed Bids from the eligible firms/contractors in accordance with KPPRA procurement rules 2014 on single stage two envelop procedure for the following works:

Name of Works	**Company Registration**	**Earnest money in Rupees**	**Last Date of Submission and time**	**Date of Opening of Bids (Technical)**
Construction of Girls Hostel at PAF-IAST	Valid PEC Registration in category C3 and above & KPRA	@ 2% of Engineer Estimate/Cost	27th November-2026 at 11:00 am	On the same day at 11:30 am

1. The vendor must submit the tender fee as stationary charges in the form of a Bank Draft/Pay Order amounting to Rs. 3,000/- in the name of Project Director, PAF-IAST, to the office of the Procurement office, PAF-IAST, prior to the opening of the tender.
2. Tender document containing instructions to bidders covering definitions, introduction/ background of the Project, scope of work, general terms and conditions, and special terms, procedure for submission of bids, opening of bid, evaluation criteria, and other related information, are available electronically and can be downloaded from University website http://www.paf-iast.edu.pk/ as well as from **EPADS-KPPRA web site www.Kp.eprocure.gov.pk free of cost.**
3. The contractors quoting their bids up to a limit of 10% below on Engineer Estimate shall submit bid security@2% only of Engineer estimate.
4. The contractors quoting their bids more than 10% below up to 20% below on Engineer Estimate shall submit along with their bids 8% additional Security of Engineer Estimate cost in addition to 2% bid Security. If the bid is not accompanied with the required amount of additional security, then it will be considered as non-responsive and the 2% bid security shall be forfeited in favor of the Institute and the second lowest bidder and so on will be considered accordingly.
5. Similarly, a contractor quoting bid more than 20% below shall submit with his bid as additional bid security on engineer's estimated cost equal to the differential amount of submitted bid and engineer's estimate along with detailed rate analysis. If the bid is not accompanied by the detailed rate analysis and or required amount of additional bid security, then the said bid shall be considered as non-responsive. All the securities submitted along with such non-responsive bid shall be forfeited in favor of Institute and 2nd lowest bidder and so on will be considered accordingly.
6. In case detailed rate analysis submitted with the bids is, in view of the Procuring Entity, not convincing, the Head of the Procuring Entity may declare such bid as non-responsive without any forfeiture of bid securities and record reasons thereof.
7. The Procuring Entity may offer the contract to the next lowest bidder after due diligence in the context of financial difference between such two bids or may advertise procurement opportunity afresh.
8. The bids must be submitted by using EPADS on or before above-mentioned date and time in respective tender. Manual bids shall not be accepted. Electronic Bids will be opened on the same day after 30 minutes of submission deadline in presence of Procurement Committee and bidders who opt to participate.
9. In case two or more bidders quoted the same rate, the successful bidder shall be determined through a draw.

Project Director
Pak-Austria; Fachhochschule: Institute of Applied Sciences & Technology (PAF-IAST),
Mang, Haripur

Pak-Austria Fachhochschule: Institute of Applied Sciences & Technology, Haripur

KHYBER PAKHTUNKHWA

BILL OF QUNATITES (BOQ)
For
Construction of Girls Hotel
at PAF-IAST, Haripur

ESTIMATED COST: 266.495 (M)

Submission of Bids: November 27th, 2026 @ 11:00 AM

Opening of Bids: November 27th , 2026 @ 11:30 AM

Bill of Quantity				
			Tender Cost Rs.	266,495,728.00
			Earnest Money (02%) Rs.	**5,329,920.00**
Project Name: Construction of Girls Hostel **at PAF-IAST, Haripur**				
General Abstract of Bid Cost				
S.No	**Description**	**BOQ Cost in Rs**	**Contractor % age Above/Below/ At Par**	**Contractor Bid Cost Rs.**
1	**Annexure A Schedule Items (MRS-2024 1st-Annual)**	266,495,728.00		

Total bid Amount in Words: _____

Sign & Seal of the Bidder: _____

M/s. _____

Contract No. Construction of Girls Hostel

Location: - WW6C+3H, Khanpur Rd, Mang, Haripur, Khyber Pakhtunkhwar

Earnest Money of Estimated Cost Rs. 2 % (Rs:5,329,920 /-)

Bid Cost: Rs: 266,495,728.00/-

Date of Opening: 27th November 2026

Sign & Seal of the Bidder: _____

Project Director

Pak-Austria Fachhoschschle Institute of Applied Sciences & Technology

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INVITATION
FOR BIDS

INVITATION FOR BIDS

Date: th / / 2026

Bid Reference No.: Girls Hostel

1) The Project Director Pak-Austria Fachhochschule Institute of Applied Sciences & Technology (the "Procuring Entity") has secured a development project from Khyber Pakhtunkhwa through Higher Education Department (HED) Project titled **"CONSTRUCTION OF PAK-AUSTRIA FACHHOCHSCHULE INSTITUTE OF APPLIED SCIENCES & TECHNOLOGY MANG HARIPUR bearing ADP No. 170030"**

Sub-Head ⟶ Construction of Girls Hostel

and it is intended that part of the proceeds of the funds will be applied to eligible payments under the Contract for the "Construction of Pak-Austria Fachhochschule Institute of Applied Sciences & Technology Mang Haripur herein after called Girls Hostel". Bidding is open to all eligible Bidders (Those who fulfill the required criteria).

2) The Procuring Entity invites sealed bids from eligible firms or persons licensed by the Pakistan Engineering Council, registered / enrolled with the KPRA Department / Authority for the respective work(s) registered/enrolled with the Procuring Entity Department / Authority for the respective in the appropriate category for the Works.

3) Bidders may obtain further information from, inspect at and acquire the bidding documents from the office of the Project Director Pak-Austria Fachhochschule Institute of Applied Sciences & Technology.

4) A complete set of Bidding Documents may be purchased by an interested bidder on submission of a written application to the above office and upon payment of a non-refundable fee of Printing Charges 3,000/- in Cash for "Construction of Pak-Austria Fachhochschule: Institute of Applied Sciences & Technology Mang Haripur Sub-Head Girls Hostel".

5) **All bids must be accompanied by a Bid Security in the shape of Call Deposit from a Scheduled Bank of Pakistan (Not pay order), in the amount of Rs.5,329,920/- 2% of E/Cost (Rupees As per Work Cost) or an equivalent amount in a freely convertible currency in the name of Project Director (PAF-IAST) Mang, Haripur, and must be delivered to Project Director (PAF-IAST) Mang, Haripur at or before dated 27st /November/2026 upto 11:00 AM hours. Bids will be opened at 11:30 AM** hours on the same day, in the presence of bidders' representatives who choose to attend in the office of the Project Director (PAF-IAST) Mang, Haripur, Khyber Pakhtunkhwa.

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

A. GENERAL

IB.1 Scope of Bid

1.1 The Procuring Entity as defined in the Bidding Data hereinafter called "the Procuring Entity" invites bids for the construction and completion of works as described in these Bidding Documents, and summarized in the Bidding Data hereinafter referred to as the "Works".

1.2 The successful bidder will be expected to complete the Works within the time specified in Appendix-A to Bid.

1.3 Throughout these bidding documents, the terms 'bid' and 'tender' and their derivatives (bidder / tenderer, bid / tender, bidding / tendering etc.) are synonymous.

IB.2 Source of Funds

2.1 The expenditure on this project shall be met from the funds allocated under **ADP No. 170030** for **Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology (PAF-IAST), Haripur**, in accordance with its approved PC-I and as defined under Rule 2(l) of the KPPRA Procurement Rules. It is intended that these funds shall be utilized for eligible payments under the Contract for which these Bidding Documents are issued, subject to the availability of funds and applicable procurement regulations.

IB.3 Eligible Bidders

3.1 This Invitation for Bids is open to all bidders meeting the following requirements:

a) Duly licensed by the Pakistan Engineering Council (PEC) in the category valid Registration & Active Renewal with PEC in Category C-3 & Above in Relevant Code of Specialization

b) Is neither associated, nor has been associated, directly or indirectly, with the Consultants or any other entity that has prepared the design, specifications and other documents for the Project or being proposed for any position in the Project Management.

3.2 A bidder having a conflict of interest will be declared as non-responsive if the bidder has a close business relationship with the Procuring Entity's professional personnel, who directly or indirectly involved in any part of: (i) the preparation of the bidding documents for the Works, (ii) the Bid evaluation or (iii) the supervision of such Works.

IB.4 Eligible Bidder can Apply to Maximum Bids

4.1 Each eligible bidder shall submit only one bid or more, separately either by himself. A bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified. Bidder must be visit site before submission of Bid.

The bid or bidder who having the following criteria for the bid / bids, he offers shall be eligible to apply

Mandatory Requirements	General Experience	Personal Capabilities:	Machinery	Financial Soundness
1) Covering letter 2) CNIC & Valid NTN 3) Up-to-date Registration with PEC 4) Registration with KPRA 5) Partnership Deed in case of AOP/Firm OR ↴ 6) Bank Details, Name and account number 7) Blacklisting from any Agency, Stamp Paper duly attested 8) Litigation History where decision went against the Firm, Stamp Paper Proof	1) Building Projects of similar nature & complexity completed in the last five years having cost 250 million or more. Work order & completion certificate issued by the client must be provided. 2) Building Projects of similar nature & complexity in-hand having cost 200 million or more. Work order & Performance certificate by the client must be provided. 3) General Projects completed in the last 05 years having cost 150 million or more. Work order & completion certificate issued by the client must be provided. 4) General Projects in-hand having cost 150 million or more. Work order & Performance certificate issued by the client must be provided.	**B.Sc Engineers** 1) Project Manager (PM) 2) Site Engineer (SE). 3) Assistant Site Engineer 4) Planning / Material Engineering 5) Electrical Engineer All of the above-mentioned engineers Registered with Pakistan Engineering Council (PEC) **Associate Engineers (DAE)** 1) Quantity Surveyor 2) Site inspector (Civil) 3) Site Inspector (Electrical). 4) Site Inspector (Material). 5) Surveyor (Civil). Evidence of experience/certificate/ Documents must be provided with accurate address & telephone number for verification	1) Concrete Batching Plant (30cuM/hr Cap.)= 1No 2) Concrete Pump=1 3) Concrete Mixer Machine=2 No's 4) Hand Roller/ Compactor=2No's 5) Water Tankers= 2No's 6) Excavator=2No 7) Plate Compactor / Jumper= 2 No 8) Concrete Vibrator =4 No's 9) Static Roller=1No 10) Dumper Trucks /trolly=2No's 11) Survey Equipment (Total Station +Theodolite+ Level Machine) =1No 12) Steel form work with scaffolding / shuttering = 50,098 SFT 13) Steel Cutting and bending Machine = 1 14) Diesel Generator =1 No	1) Available Bank Credit Line Million 2) Working Capital in the last 3 Years Criteria details of Financial Soundness attached in Appendix O to Bid

- Bidders shall provide dedicated resources (i-e Project Staff, Form Work, Machinery & Financial Soundness) as mentioned above criteria and duly attested on stamp paper by the notary public.

- Technical Evaluation Criteria is attached in the Appendix O to Bid "Qualification Criteria and Requirements)

IB.5 Cost of Bidding

5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids and the Procuring Entity will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Site Visit

6.1 The bidders are advised to visit and examine the site of Works and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. All cost in this respect shall be at the bidder's own expense.

6.2 The bidders and any of their personnel or agents will be granted permission by the Procuring Entity to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Procuring Entity, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.

B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders.
2. Bidding Data.
3. General Conditions of Contract, Part-I (GCC).
4. Particular Conditions of Contract, Part-II (PCC).
5. Form of Bid & Appendices to Bid.
6. Bill of Quantities (Appendix-D to Bid).
7. Form of Bid Security.
8. Form of Contract Agreement.
9. Forms of Performance Security and Mobilization Advance Guarantee/Bond.
10. Drawings.
11. Specifications – Volume-II

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidders own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

8.1 Any prospective bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Procuring Entity in writing at the Procuring Entity's address indicated in the Invitation for Bids. The Procuring Entity will respond to any request for clarification which he receives in the pre-bid meeting prior to the deadline for submission of bids.

Copies of the Procuring Entities response will be forwarded to all purchasers of the Bidding Documents, including a description of the enquiry but without identifying its source.

IB.9 Amendment of Bidding Documents

9.1 At any time prior to the deadline for submission of bids, the Procuring Entity may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.

9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Procuring Entity.

9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Procuring Entity may extend the deadline for submission of bids in accordance with Clause IB.20

C. PREPARATION OF BIDS

IB.10 Language of Bid

10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the Procuring Entity shall be in the bid language stipulated in the Bidding Data and Particular Conditions of Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Accompanying the Bid

11.1 Each bidder shall:

a) submit a written power of attorney authorizing the signatory of the bid to act for and on behalf of the bidder;

b) Minimum Eligible criteria would be the following documents

(i) Copy of Valid & Active License of Pakistan Engineering Council (C-3 & above)

(ii) Copy of Registration Certificate with Federal Board of Revenue.

(iii) Copy of Active Registration Certificate with Khyber Pakhtunkhwa Revenue Authority.
Commission of Pakistan in case of company.

(iv) Status of Firm (Sole Proprietorship, Partnership, Private Limited Company etc)

(v) List of Names and Designation of Owner/Directors and Engineers of Firm.

(vi) Affidavit on Stamp minimum of PKR 100 about non-Blacklisting & Non-Litigation.

(vii) Evidence of access to financial resources along with average annual construction turnover;

(viii) List of completed and in-hand project of similar nature executed in last three years with brief details

(ix) Letter of award Performance Certificate for in-hand projects and completion certificate for completed projects duly sign and stamp by the client.

(x) Broucher shall be Book binded and each page shall be numbered, readable, stamped and signed (scanned stamp and sign will not be considered) by the owner/owners of the firm otherwise will not be considered.

(xi) List of tools, plant and machinery available with contractor

Any shortage of about will lead to in-eligibility and bid will be declare as non-responses.

c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:
Appendix-E to Bid Proposed Construction Schedule Appendix-F to Bid Method of Performing the Work Appendix-G to Bid List of Major Equipment Appendix-K to Bid Organization Chart for Supervisory Staff
and other pertinent information such as mobilization program etc;

11.2 Bids submitted by a Partners of two (2) or more shall comply with the following requirements:

(a) The bid and in case of a successful bid, the Form of Contract Agreement shall be signed so as to be legally binding on all partners;

(b) One of the partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the partners;

(c) The partner-in-charge shall always be duly authorized to deal with the Procuring Entity regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of Contract and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments.

(d) A copy of the agreement entered into by the partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the partner, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the agreement shall be agreed to between the partner without prior written consent of the Procuring Entity.

11.3 Bidders shall also submit proposals of work methods and schedule, in sufficient detail to demonstrate the adequacy of the Bidders' proposals to meet the technical specifications and the completion time referred to in Sub-Clause 1.2 hereof.

IB.12 Bid Prices

12.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works as described in Sub-Clause 1.1 hereof, based on the unit rates and / or prices submitted by the bidder.

12.2 The bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities in above / below of MRS 2024 1st-Annual Schedule items & no premium will be given on Non-Scheduled items (NSI). Unit rate offered for an item shall be considered upto two significant decimals places for evaluation purposes. Items against which no rate or price is entered by a bidder will not be paid for by the Procuring Entity when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities. Corrections in rates and prices, if any, shall be made by crossing out, initialing, dating and re-writing.

12.3 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause has been included in the MRS 2024 1st-Annual Rates and prices and the total Bid Price submitted by a bidder.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2 of the General Conditions of Contract Part-I.

12.4 The rates and prices quoted by the bidders are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 70 of the Conditions of Contract. The Procuring Entity shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause.

IB.13 Currencies of Bid and Payment

13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Procuring Entity's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.

13.2 The rates of exchange to be used by the bidder for currency conversion shall be the TT&OD Selling Rates published or authorized by the State Bank of Pakistan prevailing on the date 28 days prior to the deadline for submission of bids.

For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the Contract.

IB.14 Bid Validity

14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the Date of Bid Opening specified in Clause IB.23.

14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Procuring Entity may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects. The bidder shall bear all costs to be incurred on such extensions.

IB.15 Bid Security

15.1 Each bidder shall furnish, as part of his bid, a Bid Security in the amount stipulated in the Bidding Data in Pak Rupees or an equivalent amount in a freely convertible currency.

15.2 The Bid Security shall be, at the option of the bidder, in the form of Deposit at Call or a Bank Guarantee issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan in favour of the Procuring Entity valid for a period 28 days beyond the Bid Validity date.

15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring Entity as non-responsive.

15.4 The bid securities of unsuccessful bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.

15.5 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security and signed the Contract Agreement.

15.6 In case of bid/rate quoted by the bidder more than 10% below on engineer estimate, the additional bid security shall be sought from the successful bidder as per KPPRA letter No. S.R.O. (13)/Vol: 1-21/2021-22:

15.7 The Bid Security may be forfeited:

(a) if the bidder withdraws his bid except as provided in Sub-Clause 22.1;

(b) if the bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 27.2 hereof;

(c) In the case of successful bidder, if he fails within the specified time limit to:

(i) furnish the required Performance Security; or
(ii) sign the Contract Agreement.

IB.16 Alternate Proposals by Bidder

16.1 Should any bidder consider that he can offer any advantages to the Procuring Entity by a modification to the designs, specifications or other conditions, he may, in addition to his bid to be submitted in strict compliance with the Bidding Documents, submit any Alternate Proposal(s) containing (a) relevant design calculations; (b)technical specifications; (c)proposed construction methodology; and (d) any other relevant details / conditions, provided always that the total sum entered on the Form of Bid shall be that which represents complete compliance with the Bidding Documents.

16.2 Alternate Proposal(s), if any, of the lowest evaluated responsive bidder only may be considered by the Procuring Entity as the basis for the award of Contract to such bidder.

IB.17 Pre-Bid Meeting

17.1 The Procuring Entity may, on his own motion or at the request of any prospective bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents or any other matter that may be raised at that stage. The date, time and venue of pre- bid meeting, if convened, is as stipulated in the Bidding Data. All prospective bidders or their authorized representatives shall be invited to attend such a pre- bid meeting.

17.2 The bidders are requested to submit questions, if any, in writing so as to reach the Procuring Entity not later than seven (7) days before the proposed pre-bid meeting.

17.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.

17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

18.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.

18.2 All appendices to Bid are to be properly completed and signed.

18.3 No alteration is to be made in the Form of Bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

18.4 Each bidder shall prepare by filling out the forms completely and without alterations one (1) original and number of copies, specified in the Bidding Data, of the documents comprising the bid as described in Clause IB.7 and clearly mark them “ORIGINAL” and “COPY” as appropriate. In the event of discrepancy between them, the original shall prevail.

18.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the bidder pursuant to Sub- Clause 11.1(a) hereof. All pages of the bid shall be initialed and stamped by the person or persons signing the bid.

18.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Procuring Entity, or as are necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

18.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.

18.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS

IB.19 Electronic Submission of Bids through E-PADS

19.1. Each bidder shall submit his bid electronically through the KPPRA E-PADS portal (https://kp.eprocure.gov.pk) as follows:

a) The bidder shall prepare and upload the Technical Proposal and Financial Proposal in their respective designated sections of E-PADS, in accordance with the bidding procedure specified in the Bidding Data.

b) All required bidding documents shall be duly completed, signed, stamped, scanned in PDF format, and uploaded to E-PADS before the prescribed bid submission deadline.

c) Bids submitted manually, through courier, email, or any means other than E-PADS shall not be entertained.

19.2 The electronically submitted bids shall:

a) Be submitted through the KPPRA E-PADS portal against the relevant tender published by Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology (PAF-IAST), Haripur.

b) Clearly identify the name and identification number of the contract/tender as specified in the Bidding Data.

c) Be uploaded and successfully submitted before the date and time specified in the Bidding Data. The bids shall be opened electronically through E-PADS at the prescribed date and time.

d) The original Bid Security (2%) and additional security (if applicable) and tender fee must be submitted in physical form with sealed envelop to the office of Manager Planning & Works before the prescribed deadline.

IB.20 Deadline for Submission of Bids

20.1 (a) Complete Bids must be received by the Procuring Entity at the address specified no later than the time and date stipulated in the Bidding Data In the event of the specified date for the submission of bids declared a holiday for the Procuring Entity, the Bids will be received up to the appointed time on the next working day.

(b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

(c) Where delivery of a bid is by mail and the bidder wishes to receive an acknowledgment of receipt of such bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package.

(d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

20.2 The Procuring Entity may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Procuring Entity and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.21 Late Bids

21.1 (a) Any bid received by the Procuring Entity after the deadline for submission of bids prescribed in Clause IB.20 will be returned unopened to such bidder.

(b) Delays in the mail, delays of person in transit, or delivery of a bid to the wrong office or due to any other reason, shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to determine the manner in which timely delivery of his bid will be accomplished either in person, by messenger or by mail.

IB.22 Modification, Substitution and Withdrawal of Bids

22.1 Any bidder may modify**,** substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Procuring Entity prior to the deadline or the extended deadline pursuant to clause IB.20.2, for submission of bids.

22.2 The modification, substitution or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.

22.3 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with Sub-Clauses 22.1 and 27.2.

22.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

E. BID OPENING AND EVALUATION

IB.23 Bid Opening

23.1 The Procuring Entity will open all the bids received (except those received late), including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' or their representatives who choose to attend, at the time, date and location stipulated in the Bidding Data. In the event of the specified date for the opening of bids being declared a holiday for the Procuring Entity, the Bids will be opened at the appointed time and location on the next working day. The bidders' representatives who are present shall sign a register evidencing their attendance.

23.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause IB.22 shall not be opened.

23.3 The bidder's name, total Bid Price and price of any Alternate Proposal(s), any discounts, bid modifications, substitution and withdrawals, the presence or absence of Bid Security and such other details as the Procuring Entity may consider appropriate, will be announced by the Procuring Entity at the opening of bids.

23.4 Procuring Entity shall prepare minutes of the bid opening including the information disclosed to those present in accordance with the Sub-Clause 23.3.

IB.24 Process to be Confidential

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of the final result of the bid evaluation which shall be done at least ten (10) days prior to issue of Letter of Acceptance and place the same on its and Authority's Website (Khyber Pakhtunkhwa Public Procurement Regulatory Authority Rule-45). The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Procuring Entity's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas any bidder feeling aggrieved may lodge a written complaint not later than fifteen (15) days after the announcement of the bid evaluation report; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bids

25.1 To assist in the examination, evaluation and comparison of bids, the Procuring Entity may, at his discretion, ask any bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Procuring Entity in the evaluation of the bids in accordance with Clause IB.28.

IB.26 Examination of Bids and Determination of Responsiveness

26.1 Prior to the detailed evaluation of bids, the Procuring Entity will determine whether each bid as per laid down criteria of IB.4 to the requirements of the Bidding Documents.

26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; has been properly signed; (iii) is accompanied by the required Bid Security and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the

scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Procuring Entity's rights or the bidder's obligations under the Contract; or
(iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3 If a bid is not substantially responsive, it will be rejected by the Procuring Entity and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.27 Correction of Errors

27.1 Bids determined to be substantially responsive will be checked by the Procuring Entity for any arithmetic errors. Errors will be corrected by the Procuring Entity as follows:

(a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern and

(b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Procuring Entity there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

27.2 The amount stated in the Form of Bid will be adjusted by the Procuring Entity in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected bid price, his bid will be rejected and the Bid Security shall be forfeited in accordance with Sub-Clause 15.6(b) hereof.

IB.28 Evaluation and Comparison of Bids

28.1 The Procuring Entity will evaluate and compare only the bids determined to be substantially responsive in accordance with Clause IB.26.

28.2 In evaluating the bids, the Procuring Entity will determine for each bid the evaluated Bid Price by adjusting the Bid Price as follows:

(a) making any correction for errors pursuant to Clause IB.27;
(b) excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and
(c) making an appropriate adjustment for any other acceptable variation or deviation, including discounts or other price modification in the bids.

28.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.

28.4 If the Bid of the successful bidder is seriously unbalanced in relation to the Procuring Entity's estimate of the cost of work to be performed under the Contract, the Procuring Entity may require the bidder to produce detailed price analyses for any or all items of the Bill of Quantities to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Procuring Entity may require that the amount of the Performance Security set forth in Clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the Procuring Entity against financial loss in the event of default of the successful bidder under the Contract.

F. AWARD OF CONTRACT

IB.29 Award

29.1 Subject to Clauses IB.30 and IB.34, the Procuring Entity will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3, IB.4 and qualify pursuant to Sub-Clause IB 29.2.

29.2 The Procuring Entity, at any stage of the bid evaluation, having credible reasons for or prima facie evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided that such qualification shall only be laid down after recording reasons therefore in writing. They shall form part of the records of that bid evaluation report.

IB.30 Procuring Entity's Right to Accept any Bid and to Reject any or all Bids

30.1 Notwithstanding Clause IB.29, the Procuring Entity reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

31.1 Prior to expiration of the period of bid validity prescribed by the Procuring Entity, the Procuring Entity will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Procuring Entity will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

31.2 No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted, however, Procuring Entity may have clarification meetings to get clarify any item in the bid evaluation report.

31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Procuring Entity and the bidder till signing of the formal Contract Agreement.

31.3 Upon furnishing by the successful bidder of a Performance Security, the Procuring Entity will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

IB.32 Performance Security

32.1 The successful bidder shall furnish to the Procuring Entity a Performance Security in the form and the amount stipulated in the Bidding Data and the Conditions of Contract plus additional security for unbalanced bids as per KPPRA rules in accordance with Clause IB.28.4 within a period of 28 days after the receipt of Letter of Acceptance.

32.2 Failure of the successful bidder to comply with the requirements of Sub-Clause IB.32.1 or Clauses IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.33 Signing of Contract Agreement

33.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Procuring Entity will send the successful bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.

33.2 The formal Agreement between the Procuring Entity and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the Procuring Entity.

IB.34 General Performance of the Bidders

The Procuring Entity reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Procuring Entity may in case of consistent poor performance of any Bidder as reported by the Procuring Entity's of the previously awarded contracts, inter alia, reject his bid and/or refer the case to the Pakistan Engineering Council (PEC) and KPPRA. Upon such reference, PEC / K P P R A in accordance with its rules, procedures and relevant laws of the land take such action as may be deemed appropriate under the circumstances of the case including black listing of such Bidder and debarring him from participation in future bidding for similar works.

IB.35 Integrity Pact

The Bidder shall sign and stamp the Integrity Pact provided at Appendix-L to Bid in the Bidding Documents for all procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non- responsive.

IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

BIDDING
DATA

BD-1

Bidding Data

The following specific data for the Works to be bid shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

Instructions to Bidders

1.1 Name and address of the Procuring Entity:

1.1 Project Director
(PAF-IAST) Mang, Haripur,

Project Titled "CONSTRUCTION PAK-AUSTRIA FACHHOCHSCHULE: INSTITUTE OF APPLIED SCIENCES & TECHNOLOGY, MANG HARIPUR".

Sub-Head: - Girls Hostel

2.1 Name of the Source of Financing/Funding Agency:

Funds will be provided by Pak-Austria Fachhochschule: Institute of Applied Sciences & Technology, Mang Haripur

3.1 Contractor who are license (License must be up to date) by the Pakistan Engineering Council in the Category **C-3** & above with proof of active taxpayer least (ATL) of Federal Board of Revenue (FBR), Pakistan for the Work.

8.1 Time limit for clarification:

Seven (05) days prior to deadline for submission of Bid.

10.1 Bid language:

The same language in which the Bidding Documents are written. English should be used in National/ International Competitive Bidding.

11.1 (b) Technical Evaluation Information to be updated:

Evidence of access to financial resources, latest status of financial resources commitment for two years (including the current year). Works awarded during the interim period, availability of essential critical equipment and information about litigation presently in process.

BD-2

11.1(c) Furnish Technical Proposal:

The bidder submits a technical proposal in sufficient detail to demonstrate the adequacy of the bid in meeting requirements for timely completion of the Works.

12 Site Facility to be Provided by the Contractor

12.1 Site office of two table capacity will be provided for supervision of Consultant

12.3 All duties, taxes and levies payable by the contractor as imposed by Government of Pakistan

13.1 Bidders to quote entirely in Pak. rupees but specify the percentages of foreign currency they require.

14.1 Period of Bid Validity:

Normally the validity period should not exceed 90 days.

15.1 Amount of Bid Security:

2% Call Deposit + 8% Retention money from every running bill", to if rate offer is more than 10% below then additional security would be deposited as per KPPRA Rules.

16.1 Alternate Bid shall not be Permitted:

16.4 Responsiveness of Bids

i) The Bid is valid till required period,
ii) The Bid prices are firm during currency of contract,
iii) Completion period offered is within specified limits,
iv) The Bidder is eligible to Bid and possessed the requisite experience, capability and qualification.
v) The Bid does not deviate from basic technical requirements and
vi) The Bids are generally in order, etc.

17.1 Venue, time, and date of the pre-Bid meeting:

There will be no pre-bid meeting for this.

18.4 Number of copies of the Bid to be completed and returned:

Usually, one original and one copy.

BD-3

19.2(a) Procuring Entity's address for the purpose of Bid submission:

PROJECT DIRECTOR (PAF-IAST) Mang, Haripur.

19.2(b)Name and Number of the Contract:

NAME OF PROJECT:

CONSTRUCTION PAK-AUSTRIA FACHHOCHSCHULE: INSTITUTE OF APPLIED SCIENCES & TECHNOLOGY, MANG HARIPUR.

SUB-HEAD: - Girls Hostel

20.1(a)Deadline for submission of bids:

The time and date should be the same as that given in the Invitation for Bids

23.1 Venue, time, and date of Bid opening:

Project Director (PAF-IAST) Mang, Haripur, at the time and date should be the same as that given in the Invitation for Bids.

32.1 Standard form and amount of Performance Security acceptable to the Procuring Entity:

A bank guarantee can be conditional or unconditional on demand (Standard Form at PS-1 & 2). An amount equal to 10 percent of the Contract Price is commonly specified for bank guarantees, which %age should match with that stipulated in Appendix-A to Bid.

A performance bond is an undertaking by an insurance company to complete the construction in the event of default by the Contractor, or to pay the amount of bond to the Procuring Entity.]

FORM OF BID
AND
APPENDICES TO BID

FB-1

FORM OF BID

Bid Reference No. M/S / Girls Hostel
(Name of Contract/Works)

To:

PROJECT DIRECTOR
(PAF-IAST) Mang,
Haripur.

Gentleman,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract. Specifications, Drawings and Bill of Quantities and Addenda Nos Girls Hostel for the execution of the above-named Works, we, the undersigned, offer to execute and complete such Works and remedy any defects therein in conformity with the Conditions of Contract. Specifications, Drawings, Bill of Quantities and Addenda for the sum of Girls Hostel Rs. 266,495,728.00/- (two hundred sixty-six million four hundred ninety-five thousand seven hundred twenty eighty Rupee only) or such other sum as may be ascertained in accordance with the said conditions.

2. We understand that all the Appendices attached hereto form part of this Bid.

3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith Bid Security in the amount of Rupees 2% of the Estimated Cost. (Rs. 5,329,920 /-) drawn in your favour or made payable to you and valid for a period of 90 days beginning from the date Bids are opened.

4. We undertake, if our Bid is accepted, to commence the Works and to complete the whole of the Works comprised in the Contract within the time stated in Appendix-A to Bid.

5. We agree to abide by this Bid for the period of 90 days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.

FB-2

8. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____day of_____20_____

Signature: _____

in the capacity of _____duly authorized to sign Bids for and on behalf of

_____

(Name of Bidder in Block Capitals)
(Seal)

Address: _____

_____

_____

Witness:

Signature: _____

Name: _____

Address. _____

_____

Occupation _____

BA-1
Appendix-A to Bid

SPECIAL STIPULATIONS
Clause
Conditions of Contract

1.	Engineer's Authority to issue Variation in Emergency	2.1	2% of the Contract Price stated in the Letter of Acceptance up to Total Variation 15%
2.	Amount of Performance Security	10.1	10% of Contract Price stated in the Letter of Acceptance.
2.1	Bid Security	IB 15 (Sub 15.6)	If rate is more than 10% below on Engineer Estimate, then additional bid security shall be deposited as per KPPRA Rules.
3.	Time for Furnishing Program	14.1	Within 15 days from the date of receipt of Letter of Acceptance.
			———
5.	Time for Commencement	41.1	Within 14 days from the date of receipt of Engineer's Notice to Commence which shall be issued within fourteen (14) days after signing of Contract Agreement.
6.	Time for Completion	43.1, 48.2	24 Months from the date of receipt of Engineer's Notice to Commence.
7.	a) Amount of Liquidated Damages	47.1	Rs. 0.286% for each day of delay in completion of the Works subject to a maximum of 10% of Contract Price stated in the Letter of Acceptance.
7.1	b) Amount of Bonus	47.3	No Bonus
8.	Defects Liability Period	49.1	365 days from the effective date of Taking Over Certificate.
9.	Percentage of Retention Money	60.2	8 % of the amount of Interim Payment Certificate.
10.	Limit of Retention Money	60.2	Up to Maximum of 5 % in Bid Cost stated in the Letter of acceptance.
11.	Minimum amount of Interim Payment Certificates (Running Bills)	60.2	Rs. 5 % of Total Awarded Cost.
12	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Procuring	60.10	28 days in case of local currency.
13	Mobilization Advance (Financial Assistance to Contractor)	60.12	15% of Contract Price stated in the Letter of Acceptance. Recovery of Mobilization Advance should be made as per clause 60.12.

BB-1
Appendix-B to Bid

FOREIGN CURRENCY REQUIREMENTS

The Bidder may indicate herein below his requirements of foreign currency (if any), with reference to various inputs to the Works.

Foreign Currency Requirement as percentage of the Bid Price excluding Provisional Sums _____%.

Table of Exchange Rates

Unit of Currency	Equivalent in Pak. Rupees
Australian Dollar	----------
Euro	----------
Japanese Yen	----------
U.K. Pound	----------
U.S. Dollars	----------
----------	----------
----------	----------

NOT APPLICABLE

BC-1
Appendix-C To Bid

PRICE ADJUSTMENT UNDER CLAUSE 70 OF CONDITIONS OF CONTRACT

The source of indices and the weightages or coefficients for use in the adjustment formula under Clause 70 shall be as follows:

(To be filled by the Procuring Entity).

Cost Element	Description	Weightages	Applicable index
C1	C2	C3	C4
(i)	Fixed Portion	0.35	
(ii)	Local Labour		Government of Pakistan (GP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Cement – in bags		" " "
(iv)	Reinforcing Steel		" " "
(v)	High Speed Diesel (HSD)		" " "
(vi)	Brick		" " "
(vii)	Bitumen		" " "
	Total	**1.00**	

Notes:

1) Indices for "(ii)" to "(vii)" are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost indices or prices shall be those applying 28 days prior to the day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.

2) Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.

3) Escalation Amount will be paid as per Pakistan Engineering Council Guidelines for Price Adjustments

Authorized Signature: -

BD-1

Appendix-D to Bid

BILL OF QUANTITIES

Preamble

1) The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.

2) The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per the Contract.

3) The rates and prices entered in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract include all costs of Contractor's plant, labour, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract. Furthermore, all duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to deadline for submission of Bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.

4) The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works.

5) General directions and description of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the priced Bill of Quantities.

6) Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer.

BD-2

Appendix-D to Bid

BILL OF QUANTITIES

Building Work (specimen)

1. Bidders shall price the Bill of Quantities in Pakistani Rupees only.

   PAF-IAST Mang Haripur/01 - Construction of Girls Hostel

2. The following abbreviations for the Units have been used in the Bill of Quantities.

Unit	Abbreviations
Running Feet	Rft / Ft
Running Meter	M
Square Feet	Sft
Cubic Feet	Cft
Square Meter	m2
Cubic Meter	m3
Metric Ton	M.Ton
Per Number	No. / Each
Lump Sum Job	Job
Kilogram	Kg

BD-3

Appendix-D to Bid

NAME OF WORK ⟶ CONSTRUCTION OF GIRLS HOSTEL

BILL OF QUANTITY

Tender Cost (Girls Hostel): Rs.	**266.495 Million**
Earnest Money of E/Cost:	**2% (5,329,920/-)**
Completion Period:	**24 Months** After issuing work order

NAME OF PROJECT: CONSTRUCTION PAK-AUSTRIA FACHHOCHSCHULE: INSTITUTE OF APPLIED SCIENCES & TECHNOLOGY, MANG HARIPUR

Girls Hostel

GENERAL ABSTRACT OF BID COST

S.No	Descriptions	BOQ Cost Rs.	Contractor % Above / Below / At-Par	Contractor Bid Cost Rs.
1	Schedule Item (MRS-2024-1st-Annual)	262,731,226.00		
S.No	**Descriptions**	**BOQ Cost Rs.**	**Contractor % Below /At-Par**	**Contractor Bid Cost Rs.**
2	Non-Schedule Item	3,764,502.00/-		
GRAND TOTAL COST {1+2}		**266,495,728.00/**		

Total Bid Amount in Words: _____

Sign & Seal of the Bidder: _____

BE-1

Appendix-E to Bid

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, the Works shall be completed on or before the date stated in Appendix-A to Bid. The Bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed program for completion of the whole of the Works and parts of the Works may meet Procuring Entity's completion targets in days noted below and counted from the date of receipt of Engineer's Notice to Commence (Attach sheets as required for the specified form of Construction Schedule):

	Description	**Time for Completion**
a)	Whole Works	_____ days
b)	Part-A	_____ days (If applicable)
c)	Part-B	_____ Days (If applicable)
d)	_____	_____ days
e)	_____	_____ days

BF-1

Appendix-F to Bid

METHOD OF PERFORMING THE WORK

The Bidder is required to submit a narrative outlining the method of performing the Work. The narrative should indicate in detail and include but not be limited to:

1. Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.

2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.

3. The method of executing the Works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site.

4. Quality control / Quality assurance measures to be adopted including procedures to be followed for carrying out all tests required under specifications.

BG-1

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT – RELATED ITEMS

The Bidder will provide on Sheet 2 of this Appendix a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the Works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.

BG-2

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT

Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Capacity HP Rating	Condition	Present Location or Source	Date of Delivery at Site	Period of Work on Project
1	2	3	4	5	6	7
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

BH-1

Appendix-H to Bid

CONSTRUCTION CAMP AND HOUSING FACILITIES

The Contractor in accordance with Clause 34 of the Conditions of Contract shall provide description of his construction camp's facilities and staff housing requirements.

The Contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the Contractor's construction camp.

The Bidder shall list or explain his plans for providing these facilities for the service of the Contract as follows:

1. Site Preparation (clearing, land preparation, etc.).

2. Provision of Services.

    a) Power (expected power load, etc.).
    b) Water (required amount and system proposed).
    c) Sanitation (sewage disposal system, etc.).

3. Construction of Facilities

    a) Contractor's Office. Workshop and Work Areas (areas required and proposed layout, type of construction of buildings, etc.).
    b) Warehouses and Storage Areas (area required, type of construction and layout).
    c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.).

4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity).

5. Other Items Proposed (Security services, etc.).

6. Contractor will provide the following facility without any compensation and the price would be added by the contractor in the total cost of the project.

    a) Site Office for Consultant Staff.
    b) Residence for Consultant Staff.
    c) Transport Facility + POL.
    d) Warehouse Facility for Consultant Staff.

BI-1

Appendix-I to Bid

LIST OF SUBCONTRACTORS

I/We intend to subcontract the following parts of the Work to subcontractors. In my/our opinion, the subcontractors named hereunder are reliable and competent to perform that part of the work for which each is listed.

Enclosed are documentation outlining experience of subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the Contract, equipment to be supplied by them, size, location and type of contracts carried out in the past.

Part of Works (Give Details)	Subcontractor (With Complete Address)
1	2

BJ-1

Appendix-J to Bid

ESTIMATED PROGRESS PAYMENTS

Bidder' estimate of the value of work which would be executed by him during each of the periods stated below, based on his Program of the Works and the Rates in the Bill of Quantities, expressed in thousands of Pakistani Rupees:

Quarter/ Year/ Period	**Amounts (1,000 Rs.)**
1	**2**
1st Month	
2nd Month	
3rd Month	
4 th Month	
5 th Month	
6 th Month	
7 th Month	
8 th Month	
9 th Month	
Bid Price	

BK-1

Appendix-K to Bid

ORGANIZATION CHART
FOR THE
SUPERVISORY STAFF AND LABOUR

BL-1
Appendix-L to Bid

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAID BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS. 10.00 MILLION OR MORE

Contract No._____Dated_____
Contract Value: _____
Contract Title: CONSTRUCTION PAK-AUSTRIA FACHHOCHSCHULE: INSTITUTE OF APPLIED SCIENCES & TECHNOLOGY, MANG HARIPUR

…… [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Employer: ……
Signature: ……..…
[Seal]

Name of Contractor: ……...…
Signature: ……..…
[Seal]

BM-1
Appendix-M to Bid

FINANCIAL COMPETENCE AND ACCESS TO FINANCIAL RESOURCES

The financial position of the bidder shall be checked as per following details:

1. SOUNDNESS AND ACCESS TO FINANCIAL RESOURCES:

"The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credits, and other financial means, other than any contractual advance payments, to meet the financial requirements of the contract in the amount of his bid. As a minimum the Bidder must show that his resources, in term of at least his latest year's working capital and line of credits, will be adequate to cover an amount equivalent to his bid price and current work commitments i.e.

[Working capital + Project specific lines of credit*– current contract commitments] ≥ _____ Million

Working capital is the difference between current assets and current liabilities and measures the firm's ability to generate cash in the short term."

**Any line of credit indicated for this (tendered) project needs to have been certified by the Bank and the said certificate is enclosed with this Appendix. Only that Credit line Certificate shall be considered which shall be issued within Six (06) months of the date of submission of Bid.*

2. AVERAGE ANNUAL CONSTRUCTION TURNOVER

Criteria	Bidders' to list their certified yearly turnover for last 3 years
Minimum average annual construction turnover of Pak Rupees _____ **Million** Calculated as total certified payments received for contracts in progress or completed, within the last 3 years. *(Audit Reports are must to be provided).*	

Note: ***At the stage of financial Evaluation, the consideration of award of more than one work to a firm/bidder will be subjected to its financial capacity.***

BM-1
Appendix-M to Bid

LIST OF RECOMMENDED MANUFACTURERS

The manufacturer references provided here below are indicative of minimum quality and specifications 'required for such materials. Any other manufacturer items having at least the same quality and specifications are acceptable subject to the approval of the Employer/Engineer).

The Contractor should note that only material from those manufacturers specified in the list of recommended manufacturers or equivalent as mention above shall bet allowed to be used on this Project. The Contractor shall submit literature/catalogue/samples etc. of all the items from each of the specified manufacturer to the Engineer who shall then decide and approve the sample and the manufacturer. Where the item involves any finishes such as paints, external coatings, etc. The Contractor shall erect mock-up samples of the specified manufacturers for the selection and approval of the Engineer.

The responsibility lies with the Contractor for establishing the genuineness of any material/product/item for its make and origin as specified below:

S.No	Item	Number	Manufacturer(s) / Supplier(s)
CIVIL WORKS			
1.	Sand, Crushed stone Aggregate	i.	As per standard being tested by approved laboratory of UET or equivalent
2.	Steel Reinforcement	i. ii. iii. iv. v.	AFCO Mughal Karachi Steel Mill Itifaq Steel Mill Lahore FF Steel
3.	Cement	i. ii. iii.	Cherat Cement Askari Cement Kohat Cement Bestway
4.	Paints & Varnish	i. ii. iii. iv.	ICI Dulux Burger Robbialac Nippon Paint Bunty Paints
5.	Hardware stays and Handles	i. ii. iii.	Pistol Sitara Milas or approved equivalent
6.	Mirror (Looking Glass)	i.	Best quality locally available as approved by the Engineer
7.	Glass for Windows & Ventilators	i.	Best quality locally available as approved by the Engineer
8.	Concrete Pavers	i. ii. iii.	Primecrete Tuff Pavers Envicrete Or Approved equivalent
9.	False Ceiling & Paneling for Doors	i. ii.	DAMPA Industries OWA Industries Or Approved equivalent
10.	Aluminum Works	i. ii. iii. iv. v.	ALCOP Lucky Chawla Aluminum Pakistan ALCO (Pvt) Ltd Sana Aluminum Industries (Pvt) Ltd

S.No	Item	Number	Manufacturer(s) / Supplier(s)
			Or Approved equivalent
11.	Admixture	i. ii. iii. iv. v.	Sika Silver Streak (Pvt) Ltd FEB Vandex Frosrock Or Approved equivalent
12.	Termite Proofing	i. ii. iii.	Biflex (Global Group) Frontline Plus (Global Group) Dursbin (Global Group)
13.	Ceramic Tiles	i. ii. iii.	S-tile Master Forte
14.	Porcelain Tiles	i. ii.	RAK Grannito Or Approved equivalent
15.	Textured Coating	i. ii. iii.	Rock Shield Rock Wall Grit Wall Finishes Or approved equivalent
16.	Concrete Blocks	i.	Primecrete Or approved equivalent
17.	Door Locks	i. ii.	Yale Abloy Or approved equivalent
18.	Door, Kitchen cabinet	i. ii. iii.	Inter wood Holztic Stirling
19	Roof Treatment	i.	Roofgrip Reinforced Waterproofing System
PLUMBING WORKS			
1.	Polyethylene (PE) Pipes	i. ii. iii.	Dadex Beta Plasco Pipes
2.	Fittings in Polyethylene (PE)		As recommended by the manufacturer
3.	G.I Pipes	i. ii. iii.	IIL Jamal Bashir
4.	Pipes and Fittings in Polyethylene Random (PPR)	i. ii. iii. iv.	Beta RAK therm Plasco Pipes Or approved equivalent
5.	Gate Valves and Sluice Valves	i. ii. iii.	SCON KITZ TOYO Or approved equivalent
6.	uPVC Pipes and Fittings	i. ii. iii. iv.	Beta RAK therm Plasco Pipes Or approved equivalent
7.	CI Pipes and Fittings	i. ii. iii. iv.	Tepu Master Key Engineering Works KSA & Sons Alpine

S.No	Item	Number	Manufacturer(s) / Supplier(s)
		v.	CME
8.	CI Gate Valves	i. ii. iii.	SCON NIKO KITZ (Japan) Or approved equivalent
9.	RCC Pipes	i.	Shalimar or equivalent As per technical specifications and as approved by the Engineer
10.	Fire Extinguishers	i.	Haseen Habib (Pvt.) Ltd. Or approved equivalent
11.	Sanitary Fixtures	i. ii. iii. iv. v.	Porta (China) ICL Bosch Master IFO Or approved equivalent
12.	Sanitary Fitting	i. ii. iii.	Sonex Master Faisal
13.	Pumps	i. ii.	KSB HMA Or approved equivalent
14.	Stain less Steel sink	i. ii.	Atlas Super Asia
ELECTRICAL WORKS			
1.	Main Panel Boards, Distribution Boards, Telephone Distribution Boards	i. ii. iii. iv. v. vi. vii.	High Rise Electric Company Power Teck Quality Switch Gear SH Wilayat Ahmad & Sons Hussain & Co Siemens Electrech
2.	Circuit Breakers	i. ii. iii. iv. v.	Siemens Schneider Electric ABB Terasaki (JC) Hyundai (JC)
3.	Diesel Generator	i. ii. iii. iv.	Greaves Cater Pillar FG Walson Cummins
4.	Meters	i. ii. iii. iv. v.	Hobut Revalco Entes Sew Inter (JC)
5.	CAM / Selector Switches (Ammeter Selector) ASS (Voltmeter Selector) VSS	i. ii. iii.	Breter Kraus & Niamer (JC) Pakosan
6.	Protection Fuses	i. ii. iii. iv.	Legrand Nikdim DF Electric Schniedar
7.	Indication Lamps	i. ii. iii.	Telemechanique General Electric Legrand

S.No	Item	Number	Manufacturer(s) / Supplier(s)
		iv.	Lovato (JC)
8.	Terminal Blocks / Connectors	i. ii. iii.	Onka Ciama Conta Clip
9.	LT/HT Cables, Single Core & Multi Core	i. ii. iii. iv.	Pakistan Cables Pioneer Allied Cables newage
10.	Wiring Accessories (Switches, Sockets)	i. ii. iii. iv.	Hero Electric Legrand, schniedar, philips ABB MKI Switches
11.	ON / OFF Push Buttons	i. ii. iii.	General Electric Legrand, schniedar, Philips Lovato (JC)
12.	PVC Conduits & accessories	i. ii. iii.	Dadex Beta Plasco
13.	Fans (Ceiling, Bracket, Exhaust)	i. ii. iii.	Royal Pak Fan, Lahore Climax
14.	Structured Cabling System	i. ii. iii.	3M Schneider Electric Norden
15.	Fire Alarm System	i. ii. iii.	Shield C-Tech Olympia Electronics Opellstech
16.	CCTV System	i. ii. iii. iv.	Samsung Panasonic Aeztek Bouch Opellstech
17.	Transformers / HT Panels	i. ii. iii.	SIEMENS Transfopower Grid (Pvt) Ltd Elemtec Or as approved standard of PESCO
18.	Lighting Fixtures	i. ii. iii.	Philips Goldway Galaxy
19.	Cable Tray	i. ii. iii. iv. v.	Power Teck Progressive marketing Hussain & Co Electrech High Rise Electric Company
20.	Electricity Measuring Meter	i. ii.	Syed Bhais PEL
21.	GI Poles (Street Light)	i. ii.	Jamal Pipe Bashir Pipe
22.	Lightning Protection System & Earthing	i. ii. iii. iv.	AN Wallis C-XOR Black Beem Dehn (JC)
23.	Multi mode relays and sockets	i.	General Electric

S.No	Item	Number	Manufacturer(s) / Supplier(s)
		ii. iii.	Fuji Zahra Finder (JC)
24.	Contactors / Overload Relays	i. ii. iii. iv. v. vi.	General Electric Schneider Electric ABB Emirel (JC) Inter (JC) Hyundai
25.	Air Conditioning	i. ii. iii. iv.	Acson Mitsubishi LG Greaves
26.	UPS	i. ii.	GE APC by Schneider
27.	Data Networking Switches	i. ii.	CISCO HP Or approved equivalent
28.	Passenger Lift	i. ii. iii. iv.	Kone Otis Kleemann Brown
HVAC SYSTEM			
1.	Radiators	i. ii. iii. iv.	Alarko-Carrier, Turkey Baykan, Turkey FERROLI – Itlay VEHA, Belgium
2.	MS Seamless pipe & Fittings	i. ii.	Nippon, Japan Huffaz, Pakistan
3.	Valves and piping specialties	i. ii. iii.	Bell and Gossett, USA Econosto, netherland Hattersley, UK Or approved equivalent
4.	Drain piping	i. ii. iii. iv.	Karachi Pipe Mills Pakistan IIL Plasco Or approved equivalent
5.	Fiberglass Piping insulation	i. ii.	Owens Corning, USA Afico, KSA Or approved equivalent
6.	Auto Air Vent	i.	TLV, Japan Or approved equivalent
7.	Refrigerant Piping / Copper Piping	i.	Muller, USA Or approved equivalent

HEATING WORKS

S.No	Equipment / Material	Recommended Manufacturer / Supplier or Approved Equal	Country (Origin, manufacturing, assembly, testing & supply)
1.	Split Air Conditioner (SAC)	Mitsubishi Acson Carrier Mcquay	Thailand Malaysia Malaysia Malaysia

S.No	Equipment / Material	Recommended Manufacturer / Supplier or Approved Equal	Country (Origin, manufacturing, assembly, testing & supply)
		LG	Korea
2.	Hot water Radiators	Alfa Laval Taco Gea, Ferroli	Italy, West Europe
3.	Pumps	KSB with SIEMENS Motors HMA Pumps Lowara Bell & Gossette	Pakistan / Europe / USA
4.	Control Accessories, Cables, Transformer, Relays etc	As Approved by Engineer	USA / West Europe / Japan / Canada
5.	a) Valves, Strainers, Drain Cocks	Kitz Econosto Hattersley Tozen KSB	Japan / Europe (manufacturing Location as per Company Policy, preferably Japan / West Europe
5.1	b) Balancing Valves	Bell & Gosett Econosto VIR Oventrop	USA / West Europe
6.	G.I Pipes	IIL Jamal Pipes Bashir Pipes	Pakistan
7.	Seamless Black Steel Pipes (up to 8" Dia) Sch-40	Huffaz	Pakistan
8.	Seamless Black Steel pipes (Above 8" dia) Sch-40	Econosto Baosteel Lontrin Hubhi Shagton	China
9.	Pipe Insulation	Kimmco Afico Iztoprak, Izocam Owens Corning	Kuwait / Saudi Arabia / Turkey / Europe / USA
10.	Pressure Guages and Thermometers	Weiss Instruments INC, Dwyer, Wekseler, Trerice	USA
11.	Low Voltage Panel MCC and ACP	Electrech Bilal Switchgear	Pakistan
12.	LV and Control Cables and Wires (600/1000 V)	Pakistan Cables Pioneer Cables Allied Cables	Pakistan
13.	PVC Conduit and Accessories	Beta Plasco Pipes Galco	Pakistan
14.	Steel Conduit and Accessories	Hilal Industries IIL Jamal Pioneer Bashir	Pakistan
15.	MCCBs, MCB	Schneider Electric Siemens ABB	France / Germany / Italy / Japan

S.No	Equipment / Material	Recommended Manufacturer / Supplier or Approved Equal	Country (Origin, manufacturing, assembly, testing & supply)
16.	Magnetic Contactors	AAB Panasonic Green Power Telemecanique	Italy / France / Japan
17.	ACBs , ELCBs	Schneider Electric Siemens ABB	France / Germany / Italy / Japan
18.	Relays and Timers	Zahra Finder Inter	Italy / Turkey
19.	PFI Relays	Nokian Entes	Finland / Japan / Turkey
20.	Voltmeters / Ammeters	Circutor Revalco Entes	Italy / Turkey
21.	Current Transformer / Voltage Transformer	Circutor Revalco Fico	Italy / Pakistan
22.	Selector switches / Push Button	Kraus & Naimer ABB Legarnd Revalco	Swedan / France / Italy
23.	Indication Lamps	Legrand Breter ABB Telemecanique	Itlay / France
24.	Terminal Blocks	Legrand ABB Phoenix Cabour	Japan / France / Italy
25.	Programmable logic Controller	Seimens ABB	Italy / Germany
26.	Photoelectric EE Switch	National Photoelectric EE Swtiches	Japan
27.	LV change over switch capacitors	Socomec ABB Amber Nokian Ducati	Germany / Japan / France / Pakistan
28.	Isolators Switches	Bretter Siemens	Italy / Germany
29.	Testing & maintenance Instruments	Dwyer Fluke or Approved Equal	USA
30.	Paint	ICI Bunty Paints Berger	Pakistan
31.	Fasteners, hanging Rods, Rawal Plugs etc	Fisher Hilti Spit	West Europe
32.	Air Vent	Spirax-Sacro Venn	USA / Europe
33.	All Equipment / Materials other than stated above	Make and country of origin approved by Engineer	

NOTE: The bidder should note that only equipment/materials from the above approved manufacturers or approved equal shall be allowed to be used on this project provided their products meet the specified requirements. All equipment/materials must be supplied from authorized/sole distributors. Manufacturer's authorization certificate in original must be provided.

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1. QUALIFICATION CRITERIA

1.1. GENERAL

Pak-Austria Fachhochschule Institute of Applied Sciences & Technology emerged as independent Public Sector University on the higher education landscape of Pakistan. Since then, till date Pak-Austria Fachhochschule Institute of Applied Sciences & Technology made significant progress in diverse sphere of academic, research and administrative spheres.

Qualification will be based on all the criteria given in succeeding paras 1.2 to 1.5 regarding the applicant's experience, personnel, equipment & financial capabilities, as demonstrated by the applicant's responses in the forms provided. Sub-contractor's experience and resources shall not be taken into account in determining the applicant's compliance with the qualifying criteria.

The Employer reserves the right to verify or seek clarification of the information furnished by the applicants. The Employer may reject any application for any false statement knowingly made by any applicant in, or pursuant to, their application or for any statement furnished in connection therewith, and intended to be relied upon by the Employer, which is incorrect in any respect.

1.2 PRELIMINARY EXAMINATION

All applications/documents submitted shall be checked for the following items:

1.2.1 Has the **Form** of technical & financial proposal signed?

1.2.2 Has all information asked for in Form A-1 to A-11 been provided?

1.2.3 Have all Affidavits required under Form A-9 been provided and duly signed by the authorized person?

1.2.4 Have audited balance sheets of last three years been provided?

1.2.5 No Joint Venture is required to apply.

1.3 MANDATORY REQUIREMENTS

1.3.1 Qualification status shall be decided on the basis of pass/fail basis. The bidder must secure at least 50% score in each category.

1.3.2 The bidder should secure 70% aggregate marks to qualify.

1.3.3 The bidder should fulfil the following mandatory requirements to enter the evaluation process. The bidder, who will not fulfil the each of the following requirement shall stand disqualify.

MANDATORY REQUIREMENTS:

The name of work for which Contractor / Firm apply: Girls Hostel

S#	Description	Yes/No
1	Covering letter on contractor / firm's letterhead, addressed to the Project Director (PAF-IAST) Mang, Haripur. (*to be printed on company letterhead, signed, dated and stamped*) attached.	
2	CNIC & Valid NTN of the Contractor/ Firm	
3	Up-to-date registration with Pakistan Engineering Council (PEC) C-3 & Above with Relevant works **1) EE04 2) CE10(i) 3) CE11(vi)**	
4	Registration with Khyber Pakhtunkhwa Revenue Authority (KPRA)	
5	Partnership Deed incase of Association of Persons/Firm (Optional) OR	
7	Bank Details, Name and account number…….	
8	Affidavit duly attested by an Oath Commissioner to the effect that the contractor/firm/company is neither blacklisted with the University of Pak-Austria Fachhochschle Institute of Applied Sciences & Technology Mang, Haripur or any other departments.	
9	Litigation History where decision is not went against the Firm, Stamp Paper Proof Required.	

1.4 DETAILED EVALUATION

After the initial screening of all applicants, a detailed evaluation of the applicants shall be undertaken using the following criteria based on the scoring system as follows:

Clause	Category	Points	
		Maximum	Minimum
1.5.1	General Experience	35	17.5
1.5.2	Personal Capabilities	15	7.5
1.5.3	Equipment Capabilities	20	10
1.5.4	Financial Soundness	30	15
	Total	**100**	**50**

Note: To technically qualify for the next stage i.e. opening of the financial bids, a bidder must secure at least 50% marks in each category and overall 70% marks. All type of Government taxes / duties will be recoverable from the successful Contractors / firms.

1.5 CRITERIA FOR DETAILED EVALUATION

Detailed evaluation criteria are as below:-

1.5.1 General Experience

Experience for Projects Completed (Form A-2 to A-6) will be evaluated on the basis of the following points:

(Information regarding similar / comparable projects completed is to be supported by documents such as Taking over / Completion Certificate, Maintenance / Defects Liability Certificate and any other relevant document).

SUMMARY OF FIRM

1.5.1	GENERL EXPERIENCE:		
S#	**Description**	**Marks Assigned**	**Explanation for marks to be awarded**
1	Building Projects of similar nature & complexity completed in the last 5 years successful projects having minimum cost of Rs 250 million or above. Work Order & Completion certificate issued by the client must be provided. **(Evaluation Committee may ask for original work orders and completion certificates at the time of evaluation for comparison of original document with its provided copy)**	15	• 05 Marks will be awarded for each completed projects up to maximum of 3 projects of similar nature & complexity in the last ten years (successful projects). • For less than 3 projects completed use the following weightage. = 15 x (A/3) A = No of projects of similar nature Completed in the last ten years • Full Marks are given in case of 3 projects or more.
2	Building Projects of similar nature & complexity in-hand having cost 200 million or more. Work order & Performance Certificate issued by the client must be provided **(Evaluation Committee may ask for original work orders and completion certificates at the time of evaluation for comparison of original document with its provided copy)**	10	• 10 Marks are given if the contractor has 3 projects of similar nature in-hand • For less than 3 projects in-hand use the following weightage. = 10 x (A/3) • A = No of projects of similar nature in-hand • Full Marks are given in case of 3 projects or more.
3	General Projects completed in the last five years having cost 150 million or more. Work order & Completion Certificate issued by the client must be provided. **(Evaluation Committee may ask for original work orders and completion certificates at the time of evaluation for comparison of original document with its provided copy)**	05	• 01 Marks will be awarded for each completed projects up to maximum of 5 projects of General completed Project in the last 5 years. • For less than 5 projects completed use the following weightage. = 5 x (A/5) • A = No of general projects Completed in the last 5 years • Full Marks are given in case of 5 projects or more.
4	General Projects in-hand having cost 150 million or more. Work order & Performance Certificate issued by the client must be provided. **(Evaluation Committee may ask for original work orders and completion certificates at the time of evaluation for comparison of original document with its provided copy)**	05	• 01 Marks will be awarded for each ongoing projects up to maximum of 5 projects of General in-hand. • For less than 5 projects in-hand use the following weightage. = 5 x (A/5) • A = No of general projects ongoing • Full Marks are given in case of 5 projects or more.
Total Marks Allocated:		**35**	**----**

1.5.2	PERSONAL CAPABILITIES:		
S#	**Description**	**Marks Assigned**	**Explanation for marks to be awarded**
1	1) Project Manager (PM). 2) Site Engineer (SE) 3) Assistant Site Engineer. 4) Planning / Material Engineering. 5) Electrical Engineer All of the above-mentioned Engineers must be registered with Pakistan Engineering Council (PEC) and should be working in the firm. (The confirmation of engineers job with the firm will be verified from PEC website) Evidence of experience/certificate/documents must be provided with accurate address & telephone number	10	**Experience (6-Marks) :** • 6 Marks will be given if the individual experience of at least 2 no. of B.Sc Civil Engineers is equal to 10 years or above. • For less than 2 no of B.Sc Engineers having individual experience of 10 years, marks will be given as per the following formulas: = (A/2) *6 A = No. of Engineers having individual experience of 10 years or above. **Strength of Engineers (4 Marks)** • 4 Marks will be given if the total no. of Engineers in which one will be consider as Electrical Engineer registered with the firm in PEC are 5 or above. • For less than 5 no. of B.Sc Engineers registered with PEC marks will be given as per following formulas: = (A/5) * 4 A = No. of Engineers
2	1) Quantity Surveyor (Civil) 2) Site inspector (Civil) 3) Site Inspector (Electrical). 4) Site Inspector (Material). 5) Surveyor (Civil). Evidence of experience/certificate must be provided with accurate address & telephone number	05	**Experience (3-Marks) :** • 3 Marks will be given if the individual experience of at least 3 no. of Associates Engineers (DAE Civil) is equal to 10 years or above. • For less than 3 no of Associates Engineers (DAE) having individual experience of 10 years, marks will be given as per following formulas: = (A/3) *3 A = No. of DAE Engineers. **Strength of Associate Engineer (2 Marks)** • 2 Marks will be given if the total no. of Associate Engineers (DAE) are 5 or above. • For less than 05 no of Associate Engineers marks will be given as per following formulas: = (A/5) * 2 A = No. of Associate Engineers
Total Marks Allocated:		**15**	**----**

1.5.3 Equipment Capabilities

Credit Marks shall be granted on the basic of the following criteria for various kind of equipment relevant for the Project:

1.5.3	EQUIPMENT CAPABILITIES:		
S#	**Description**	**Marks Assigned**	**Explanation for marks to be awarded**
1	Concrete Batching Plant (30cuM/hr Cap.) = 1 No	2	Full marks will be awarded when the numbers of required units of equipment are available. However, the department shall award reduced marks in case the provided numbers of units are less the required numbers.
2	Concrete Pump = 1 No's	1	
3	Concrete Mixer Machine = 2 No's	1	
4	Vibratory Roller = 1 No's	1	
5	Water Boozer = 1 No's	1	
6	Excavator = 2 No	2	
7	Grader = 1 No	1	
8	Concrete Vibrator = 4 No's	1	
9	Static Roller = 1 No	1	
10	Dumper Trucks /trolly = 2 No's	2	
11	Survey Equipment (Total Station+ Theodolite+ Level Machine) = 1 No	2	
12	Steel form work with scaffolding / shuttering = 50,098 SFT	2	
13	Steel Cutting and bending Machine = 1 No	1	
14	Diesel Generator = 1 No	2	
	Total Marks Allocated: *A stamp paper duly attested by an oath commissioner to the effect that the above items are available with the contractor/ firm/company & can be inspected by the committee at any stage.*	**20**	

1.5.4 Financial Soundness

Financial Tendering Capability of an applicant will be taken as follows:

1.5.4	FINANCIAL SOUNDNESS		
S#	**Description**	**Marks Assigned**	**Explanation for marks to be awarded**
1	Available Bank Credit Line	15	• 10 Marks are given if the available bank credit line limit is equal to 250 Million. • For limit, less than 250 Million, use the following weightage 10 x (A/250) • For the limit more than 250 million but less than 300 million use following weightage 10 + (A/300) x 5 A= Available Bank Credit Line Limit Full Marks are given in case of limit is 300 million or more.
2	Working Capital in the last 3 Years Audit Report & Income Tax	15	• 10 Marks are given if the available average working capital for the last three years is equal to 250 Million. • For the capital less than 250 Million use following weightage 10 x (A/250) • For the capital more than 250 million but less than 300 million use following weightage 10+ (A/300) x 5 A= Average working capital in the last three years. Full Marks are given incase of limit is 300 million or more.
Total Marks Allocated:		**30**	

APPLICATION FORMS

Application Form A-1

General Information

All individual firms applying for single stage two envelope are requested to complete the information in this form. Nationality information is also to be provided for foreign owners as required under the PEC Bye-Laws.

1.	Name of Firm		
2.	Head Office Address		
3.	Telephone	Contact Person: Name: Title:	
4.	Fax		
5.	E-mail	Telex	
6.	Place of Incorporation / Registration	Year of Incorporation / Registration	

NAME AND NATIONALITY OF OWNERS		
S.No.	**Name**	**Nationality**
1.		
2.		
3.		
4.		
5.		

Application Form A-2

General Experience Record

Name of Applicant / Firm's

All individual firms are requested to complete the information in this form. The information supplied should be the annual turnover of the Applicant, in terms of the amounts billed to clients for each year for work in progress or completed over the past five years.

Annual Turnover (Construction & Furnishing Works Only)	
Year	Equivalent PKR in Millions.
2023-2024	
2024-2025	
2025-2026	

**Figures duly verified by auditing chartered accountant/firm for the last 3 years.*

Application Form A-3

Details of Contracts of Similar Nature (Universities / Institutions/ Colleges) Completed

- ✓ Attach Taking Over Certificates/Completion Certificates
- ✓ Use a separate sheet for each project

Name of Applicant / Firm's

Use a separate sheet for each contract.

1.	Name of Contract
2.	Name of Employer and Address .....
3.	Bid/Tender Cost .....
4.	Nature of works and special features relevant to the contract ....
5.	Contract Role (Tick One) (a) Sole Contractor (b) Sub- Contractor (c) Partner
6.	Date of Award
7.	Date of Completion
8.	Contract Duration (Years and Months) _____Years _____Months

Note:

- No need to mention the project having cost less than 300 million.
- Verification of work order & completion certificates should be made.

Application Form A-4

Details of Contracts of Similar Nature (Universities / Institutions / Colleges) In-hand

Name of Applicant / Firm's

Applicants should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Outstanding work (Equivalent PKR Millions)	Estimated Completion Date
1.		
2.		
3.		
4.		
5.		
6.		

Note:

- No need to mention the project having cost less than 200 million.
- Verification of work order / Performance certificates should be made and in case of false statements, the firm shall be disqualified and blacklisted.

Application Form A-5

Details of General Contracts Completed

- ✓ Attach Taking Over Certificates/Completion Certificates
- ✓ Use a separate sheet for each project

Name of Applicant / Firm's

Use a separate sheet for each contract.

1.	Name of Contract
2.	Name of Employer and Address .....
3.	Bid/Tender Cost .....
4.	Nature of works and special features relevant to the contract ....
5.	Contract Role (Tick One) (a) Sole Contractor (b) Sub- Contractor (c) Partner
6.	Date of Award
7.	Date of Completion
8.	Contract Duration (Years and Months) _____Years _____Months

Note:

- No need to mention the project having cost less than 150 million.
- Verification of work order & completion certificates should be made and in case of false statements, the firm shall be disqualified and blacklisted.

Application Form A-6

Details of General Contracts In-hand

Name of Applicant / Firm's

Applicants should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Outstanding work (Equivalent PKR Millions)	Estimated Completion Date
1.		
2.		
3.		
4.		
5.		
6.		

Note:

- No need to mention the project having cost less than 150 million.
- Verification of work order / Performance certificates should be made and in case of false statements, the firm shall be disqualified and blacklisted.

Application Form A-7

Personnel Capabilities

Name of Applicant / Firm's

For specific positions, essential to contract implementation, Applicants should provide the names of at least two candidates qualified to meet the specified requirements stated for each position. The data on their experience should be supplied on separate sheets using one Form for each candidate (Application Form A-8).

1.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate
2.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate
3.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate
4.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate

*Use Additional Sheet where required

Note: All education and experience shall be verified and Documents/Degree be Attached, in case of false statements firm shall be disqualified and blacklisted.

Application Form A-8

Personal Capabilities

Name……..

(name degree completed)
Mail address…….

Current position …….

PROPOSED POSITION				
NAME OF FIRM				
NAME OF STAFF				
PROFESSION				
DATE OF BIRTH				
YEARS WITH FIRM				
NATIONALITY	Pakistani			
MEMBERSHIP IN PROFESSIONAL SOCIETIES				
KEY STRENGTHS				
EDUCATION				
WORK EXPERIENCE				
LANGUAGES	Language	Speaking	Reading	Writing
	English			
	Urdu			
	Pashto			
CONFERENCE/SEMINAR WORKSHOP ATTENDED				
COMPUTER LITERACY				

CERTIFICATION:

I, the undersigned, certify that to the best of my knowledge and belief, these bio-data correctly describe me, my qualifications and my experience

Signature _____ day / month / year

Name Day/Month/Year

Note: All education and experience shall be verified, in case of false statements firm shall be disqualified and blacklisted.

Application Form A-9

Equipment Capabilities

Name of Applicant / Firm's

The Applicant shall provide adequate information to demonstrate clearly that he has the capability to meet the requirements for each and all items of equipment listed in the Instructions to Applicants. A separate form shall be prepared for each item of equipment listed in the Bid Data Sheet, or for alternative equipment proposed by the Applicant.

Item of Equipment		
Equipment information	1. Name of manufacturer	2. Model and power rating
	3. Capacity	4. Year of manufacture
Current status	5. Current location	
	6. Details of current commitments	
Source	7. Indicate Source of the Equipment ☐ Owned ☐ Rented ☐ Leased	

Omit the following information if it is owned by the Applicant or partner.

Owner	8. Name of owner	
	9. Address of owner	
	Owner Sign & Stamp	
	Telephone	Contact name and title
	Fax/ Telex	Email
Agreement	Details of rental/lease specific to the Project.	

Application Form A-10

Financial Capability

Name of Applicant / Firm's

Applicants should provide financial information to demonstrate that they meet the requirements stated in the Instructions to Applicants. Each applicant must fill-in this form. If necessary, use separate sheets to provide complete banker information. A copy of the audited balance sheets should be attached.

Banker	Name of banker	
	Address of banker	
	Telephone	Contact name and title
	Fax/ Telex	Email

Summarize actual assets and liabilities in Pak Rupees (Equivalent at the current rate of exchange at the end of each year) for the previous five years, based upon known commitments, projected assets and liabilities in Pak Rupees equivalent for the next two years.

Financial information in PKR or equivalent	Actual: Previous Five Years				
	1	2	3	4	5
1. Total assets					
2. Current assets					
3. Total liabilities					
4. Current liabilities					
5. Profits before taxes					
6. Profits after taxes					

Application Form A-11

Certificate
"Construction work services throughout Pakistan"
CERTIFICATE
(Date: ……..…)

It is certified that the data/documents/information submitted in our application for qualification for the subject projects is correct to the best of our knowledge and we accept full responsibility for its accuracy.

We understand that any false data/documents/information may result in the disqualification of our firm at any stage.

Signature of Authorized Representative: _____

Name of Authorized Representative: _____

Designation of Authorized Representative: _____

FORMS

BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
MOBILIZATION ADVANCE GUARANTEE/BOND

BS-1

BID SECURITY
(Bank Guarantee/Call Deposit)

Security Executed on _____
(Date)

Name of Surety (Bank) with Address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address _____

_____

Penal Sum of Security Rupees . _____(Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto _____

(hereinafter called the 'Procuring Entity') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated _____ for Bid No. _____ for _____ (Particulars of Bid) to the said Procuring Entity; and

WHEREAS, the Procuring Entity has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Procuring Entity, conditioned as under:

(1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Procuring Entity, notice of which extension(s) to the Surety is hereby waived;

(2) that the Bid Security of unsuccessful Bidders will be returned by the Procuring Entity after expiry of its validity or upon signing of the Contract Agreement; and

(3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said Procuring Entity pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Procuring Entity in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring Entity for the faithful performance and proper fulfillment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

BS-2

PROVIDED THAT the Surety shall forthwith pay the Procuring Entity the said sum upon first written demand of the Procuring Entity (without cavil or argument) and without requiring the Procuring Entity to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring Entity by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Procuring Entity shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Procuring Entity forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

SURETY (Bank)

WITNESS: Signature _____

1. _____ Name _____

_____ Title _____

Corporate Secretary (Seal) Corporate Guarantor (Seal)

2. _____

_____

Name, Title & Address

PS-1

FORM OF PERFORMANCE SECURITY
(Bank Guarantee or Insurance Company atleast AA Rating)

Guarantee No._____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Procuring Entity]

Name of Guarantor with address: _____
(Scheduled Bank in Pakistan or Insurance Company atleast AA)

Name of Principal (Contractor) with address:_____

_____

Penal Sum of Security (express in words and figures)_____

_____

Letter of Acceptance No. _____Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the (hereinafter called the Procuring Entity) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Procuring Entity, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has the Procuring Entity's above said Letter of Acceptance for (Name of _____ Contract) for the _____ _____

_____(Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Procuring Entity, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

PS-2

We, _____(the Guarantor), waiving all objections and defences under the Contract, do hereby irrevocably and independently guarantee to pay to the Procuring Entity without delay upon the Procuring Entity's first written demand without cavil or arguments and without requiring the Procuring Entity to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Procuring Entity's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Procuring Entity's designated Bank & Account Number.

PROVIDED ALSO THAT the Procuring Entity shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Procuring Entity forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

_____
Guarantor (Bank) or
Insurance Company

Witness:

1. Signature

_____
Corporate Secretary (Seal)

Name _____

Title _____

2. _____

_____
Name, Title & Address

_____
Corporate Guarantor (Seal)

CA-1

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of (month) 20____ between _____ (hereafter called the "Procuring Entity") Of the one part and_____ (hereafter called the "Contractor") of the other part.

WHEREAS the Procuring Entity is desirous that certain Works, viz _____should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement, viz:

(a) The Contract Agreement;
(b) The Letter of Acceptance;
(c) The completed Form of Bid;
(d) Special Stipulations (Appendix-A to Bid);
(e) The Particular Conditions of Contract – Part II;
(f) The General Conditions – Part I;
(g) The priced Bill of Quantities (Appendix-D to Bid);
(h) The completed Appendices to Bid (B, C, E to N);
(i) The Drawings;
(j) The Specifications.
(k) _____(any other)

3. In consideration of the payments to be made by the Procuring Entity to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Entity to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.

4. The Procuring Entity hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

CA-2

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

(Seal)

Signature of Procuring Entity

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:

(Name, Title and Address)

MG-1

MOBILIZATION ADVANCE GUARANTEE

Guarantee No. _____ Date _____

WHEREAS _____(hereinafter called the 'Procuring Entity') has entered into a Contract for _____
(Particulars of Contract)
with _____(hereinafter called the "Contractor').

AND WHEREAS, the Procuring Entity has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees_____ (Rs _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS, the Procuring Entity has asked the Contractor to furnish Guarantee to secure the mobilization advance for the performance of his obligations under the said Contract.

AND WHEREAS, _____
(Scheduled Bank in Pakistan) (hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the Procuring Entity agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW, THEREFORE, the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails and commits default in fulfillment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Procuring Entity for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the Procuring Entity shall be the sole and final judge, on the part of the Contractor, shall be given by the Procuring Entity to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This Guarantee shall remain in force until the advance is fully adjusted against payments from Interim Payment Certificates of the Contractor or until whichever is earlier.

_____
(Date)

The Guarantor's liability under this Guarantee shall not in any case exceed the sum of Rupees _____(Rs _____).

This Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor agrees that the aforesaid period of validity shall be deemed to be extended if on the above mentioned date the advance payment is not fully adjusted.

MG-2

GUARANTOR (BANK)

1. Signature _____
2. Name _____
3. Title _____

WITNESS

1. _____

_____
Corporate Secretary (Seal)

2. _____ _____
(Name Title & Address) Corporate Guarantor(Seal)

[Notes on the Conditions of Contract]

The Conditions of Contract comprise two parts:

(a) Part I – General Conditions of Contract
(b) Part II - Particular Conditions of Contract

Over the years, a number of "model" General Conditions of Contract have evolved. The one used in these Standard Bidding Documents was prepared by the International Federation of Consulting Engineers (Federation Internationale des Ingenieurs-Conseils, or FIDIC), and is commonly known as the FIDIC Conditions of Contract. (The used version is the fourth edition, 1987, reprinted in 1992 with further amendments).

The FIDIC Conditions of Contract have been prepared for an ad measurement (unit price or unit rate) type of contract, and cannot be used without major modifications for other types of contract, such as lump sum, turnkey, or target cost contracts.

The standard text of the General Conditions of Contract chosen must be retained intact to facilitate its reading and interpretation by bidders and its review by the Client. Any amendments and additions to the General Conditions, specific to the contract in hand, should be introduced in the Particular Conditions of Contract.

The use of standard conditions of contract for all civil Works will ensure comprehensiveness of coverage, better balance of rights or obligations between Procuring Entity and Contractor, general acceptability of its provisions, and savings in time and cost for bid preparation and review, leading to more economic prices.

The FIDIC Conditions of Contract are copyrighted and may not be copied, faxed, or reproduced. Without taking any responsibility of its being accurate, Pakistan Engineering Council with prior consent of FIDIC Secretariat, has reproduced herein the FIDIC General Conditions of Contract for reference purpose only which cannot be used by the users for preparing their bidding documents. The bidding document may include a purchased copy, the cost of which can be retrieved as part of the selling price of the bidding document. Alternatively, the FIDIC Conditions of Contract can be referred to in the bidding documents, and the bidders are advised to obtain copies directly from FIDIC.*

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* Add the following text if the bidding documents, as issued, do not include a copy: "Copies of the FIDIC Conditions of Contract can be obtained from:
FIDIC Secretariat
P.O. Box 86
1000 Lausanne 12
Switzerland
e-mail: fidic.pub@fidic.org – FIDIC.org/bookshop]

FEDERATION INTERNATIONAL DES INGENIEURS-CONSEILS

CONDITIONS OF CONTRACT FOR WORKS OF CIVIL ENGINEERING CONSTRUCTION

PART I GENERAL CONDITIONS
WITH FORMS OF TENDER AND AGREEMENT

NOT TO BE CITED

FOURTH EDITION 1987
Reprinted 1988 with editorial amendments
Reprinted in 1992 with further amendments

Copies of the FIDIC Conditions of Contract 4th Edition, 1987 reprinted in 1992 with further amendments can be obtained from:

FIDIC SECRETARIAT

P.O BOX NO. 86

1000 Lausanne 12

Switzerland

e-mail fidic.pub@fidic.org-FIDIC org/bookshop

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PART II - PARTICULAR CONDITIONS OF CONTRACT
(Mandatory Provisions not to be Amended / Substituted except as instructed by KPPRA)

1.1 Definitions

(a) (i) The Procuring Entity is Project Director (PAF-IAST) Mang, Haripur.

(a) (iv) The Consultant is MAK Engineering Services JV WADAAN Consultant (United

Complex Town Opposite MacDonald Ring Road, House # 14 Block E, Peshawar)

Certifications/ recommendations in relation to all outstanding matters, disputes and claims relating to the execution of the Works during his tenure.

The following paragraph is added:

(a)(vi) "Bidder or Tenderer" means any person or persons, company, corporation, firm or partner submitting a Bid or Tender.

(b)(v) The following is added at the end of the paragraph:

The word "Tender" is synonymous with "Bid" and the word "Tender Documents" with "Bidding Documents".

The following paragraph is added:

(b)(ix) "Program" means the program to be submitted by the Contractor in accordance with Sub-Clause 14.1 and any approved revisions thereto.

(e)(i) "Contract Price" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works subject to such additions thereto or deductions therefrom as may be made and remedying of any defects therein in accordance with the provisions of the Contract.

2.1 Engineer's Duties and Authority

The Engineer may exercise the authority specified in or necessarily to be implied from the Contract, provided, however, that if the Engineer is required, under the terms of his appointment by the Employer, to obtain the specific approval of the Employer before exercising any such authority, particulars of such requirements shall be set out in Part II of these Conditions. Provided further that any requisite approval shall be deemed to have been given by the Employer for any such authority exercised by the Engineer.

The Engineer shall obtain the specific approval of the Procuring Entity before carrying out his duties in accordance with the following Clauses:

(i) Consenting to the sub-letting of any part of the Works under Sub-Clause 4.1 "Subcontracting".

(ii) Certifying additional cost determined under Sub-Clause 12.2 "Not Foreseeable Physical Obstructions or Conditions".

(iii) Any action under Clause 10 "Performance Security" and Clauses 21,23,24 & 25 "Insurance" of sorts.

(iv) Any action under Clause 40 "Suspension".

(v) Any action under Clause 44 "Extension of Time for Completion".

(vi) Any action under Clause 47 "Liquidated Damages for Delay" or Payment of Bonus for Early Completion of Works (PCC Sub-Clause 47.3).

(vii) Issuance of "Taking Over Certificate" under Clause 48.

(viii) Issuing a Variation Order under Clause 51,except:

a) in an emergency* situation, as stated here below, or

b) if such variation would increase the Contract Price by less than the amount stated in the Appendix-A to Bid.

(ix) Fixing rates or prices under Clause 52.

(x) Extra payment as a result of Contractor's claims under Clause 53.

(xi) Release of Retention Money to the Contractor under Sub-Clause 60.3 "Payment of Retention Money".

(xii) Issuance of "Final Payment Certificate" under Sub-Clause 60.8.

(xiii) Issuance of "Defect Liability Certificate" under Sub-Clause 62.1.

(xiv) Any change in the ratios of Contract currency proportions and payments thereof under Clause 72 "Currency and Rate of Exchange".

(Note: Procuring Entity may further vary according to need of the project)

* (If in the opinion of the Engineer an emergency occurs affecting the safety of life or of the Works or of adjoining property, the Engineer may, without relieving the Contractor of any of his duties and responsibilities under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Procuring Entity.)

2.2 Engineer's Representative

The following paragraph is added:

The Procuring Entity shall ensure that the Engineer's Representative is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)

The following Sub-Clauses 2.7 and 2.8 are added:

2.7 Engineer Not Liable

Approval, reviews and inspection by the Engineer of any part of the Works does not relieve the Contractor from his sole responsibility and liability for the supply of materials, plant and equipment for construction of the Works and their parts in accordance with the Contract and neither the Engineer's authority to act nor any decision made by him in good faith as provided for under the Contract whether to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor, any Subcontractor, any of their representatives or employees or any other person performing any portion of the Works.

2.8 Replacement of the Engineer

"If the Procuring Entity intends to replace the Engineer, the Procuring Entity shall, not less than 14 days before the intended date of replacement, give notice to the Contractor, of the name, address and relevant experience of the intended replacement Engineer. The Procuring Entity shall not replace the Engineer with a person against whom the Contractor raises reasonable objection by notice to the Procuring Entity, with supporting particulars."

5.1 Language(s) and Law

(a) The Contract Documents, shall be drawn up in the English language.
(b) The Contract shall be subject to the Laws of Islamic Republic of Pakistan.

5.2 Priority of Contract Documents

The documents listed at (1) to (6) of the Sub-Clause are deleted and substituted with the following:

(1) The Contract Agreement (if completed);
(2) The Letter of Acceptance;
(3) The completed Form of Bid;
(4) Special Stipulations (Appendix-A to Bid);
(5) The Particular Conditions of Contract – Part II;
(6) The General Conditions – Part I;
(7) The priced Bill of Quantities (Appendix-D to Bid);
(8) The completed Appendices to Bid (B, C, E to L);
(9) The Drawings;
(10) The Specifications; and
(11)_____(any other).

In case of discrepancies between drawings, those of larger scale shall govern unless they are superseded by a drawing of later date regardless of scale. All Drawings and Specifications shall be interpreted in conformity with the Contract and these Conditions. Addendum, if any, shall be deemed to have been incorporated at the appropriate places in the documents forming the Contract.

The following Sub-Clauses 6.6 and 6.7 are added:

6.6 Shop Drawings

The Contractor shall submit to the Engineer for review 3 copies of all shop and erection drawings applicable to this Contract as per provision of relevant Sub-Clause of the Contract.

Review and approval by the Engineer shall not be construed as a complete check but will indicate only that the general method of construction and detailing is satisfactory and that the Engineer's review or approval shall not relieve the Contractor of any of his responsibilities under the Contract.

6.7 As-Built Drawings

At the completion of the Works under the Contract, the Contractor shall furnish to the Engineer 6 copies and one reproducible of all drawings amended to conform with the Works as built. The price of such Drawings shall be deemed to be included in the Contract Price.

10.1 Performance Security

The Contractor shall provide Performance Security to the Procuring Entity in the prescribed form. The said Security shall be furnished or caused to be furnished by the Contractor within 28 days after the receipt of the Letter of Acceptance. The Performance Security shall be of an amount equal to 10% of the Contract Price stated in the Letter of Acceptance. Such Security shall, at the option of the bidder, be in the form of either.

(a) bank guarantee from any Scheduled Bank in Pakistan or
(b) bank guarantee from a bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan or
(c) an insurance company having atleast AA Rating from PACRA/JCR.

The cost of complying with requirements of this Sub-Clause shall be borne by the Contractor.

The following Sub-Clause10.4 is added:

10.4 Performance Security Binding on Variations and Changes

The Performance Security shall be binding irrespective of changes in the quantities or variations in the Works or extensions in Time for Completion of the Works which are granted or agreed upon under the provisions of the Contract.

14.1 Program to be Submitted

The program shall be submitted within 15 days from the date of receipt of Letter of Acceptance, which shall be in the form of:

i) A Bar Chart identifying the Critical Activities.
ii) A CPM identifying the Critical Path/Activities.
(Procuring Entity to select appropriate one)

The detail of any activity that is being executed by Contractor, Resident Engineer will establish the mechanism of inspection and intimate to the Employer as shown in clause 14.5.

14.3 Cash Flow Estimate to be Submitted

The detailed Cash Flow Estimate shall be submitted within 21 days from the date of receipt of Letter of Acceptance

The following Sub-Clause 14.5 is added:

14.5 Detailed Program and Monthly Progress Report

a) For purposes of Sub-Clause 14.1, the Contractor shall submit to the Engineer detailed program for the following:

(1) Before starting the activity Check Request Report would be submitted on daily basis and Detail Progress Report by monitoring planned vs actual in all aspects.
(2) Execution of Works;
(3) Labour Employment;
(4) Local Material Procurement;
(5) Material Imports, if any; and
(6) Other details as required by the Engineer.

(b) During the period of the Contract, the Contractor shall submit to the Engineer not later than the 8th day of the following month, 5 copies each of Monthly Progress Reports covering:

(1) A Construction Schedule indicating the monthly progress in percentage;
(2) Description of all work carried out since the last report;
(3) Description of the work planned for the next 56 days sufficiently detailed to enable the Engineer to determine his program of inspection and testing;
(4) Monthly summary of daily job record;
(5) Photographs to illustrate progress ;and
(6) Information about problems and difficulties encountered, if any, and proposals to overcome the same.

(c) During the period of the Contract, the Contractor shall keep a daily record of the work progress, which shall be made available to the Engineer as and when requested. The daily record shall include particulars of weather conditions, number of men working, deliveries of materials, quantity, location and assignment of Contractor's equipment.

The following Sub-Clauses 15.2 and 15.3 are added:

15.2 Language Ability of Contractor's Representative

The Contractor's authorized representative shall be fluent in the English language. Alternately an interpreter with ability of English language shall be provided by the Contractor on full time basis. The Engineer / Procuring Entity, however, may relax conditions of the language from English to other local languages if deemed appropriate,

15.3 Contractor's Representative

The Contractor's authorized representative and his other professional engineers working at Site shall register themselves with the Pakistan Engineering Council. The Contractor's authorized representative at Site shall be authorized to exercise adequate administrative and financial powers on behalf of the Contractor so as to achieve completion of the Works as per the Contract.

The following Sub-Clauses 16.3 and 16.4 are added:

16.3 Language Ability of Superintending Staff of Contractor

A reasonable proportion of the Contractor's superintending staff shall have a working knowledge of the English language. If the Contractor's superintending staff are not fluent in English language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer. The Engineer / Procuring Entity, however, may relax conditions of the language from English to other local languages if deemed appropriate,

16.4 Employment of Local Personnel

The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labour from sources within KPK.

The following Sub-Clauses 19.3 and 19.4 are added:

19.3 Safety Precautions

In order to provide for the safety, health and welfare of' persons, and for prevention of damage of any kind, all operations for the purposes of or in connection with the Contract shall be carried out in compliance with the Safety Requirements of the Government of Pakistan and KPK with such modifications thereto as the Engineer may authorize or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose.

The Contractor shall make, maintain and submit reports to the Engineer concerning safety, health and welfare of persons and damage to property, as the Engineer may from time to time prescribe.

19.4 Lighting Work at Night

In the event of work being carried out at night, the Contractor shall at his own cost, provide and maintain such good and sufficient light as will enable the work to proceed satisfactorily and without danger. The approaches to the Site and the Works where the night-work is being carried out shall be sufficiently lighted. All arrangement adopted for such lighting shall be to the satisfaction of the Engineer's Representative.

20.4 Procuring Entity's Risks

The Procuring Entity's risks are:

(a) insofar as they directly affect the execution of the Works in KPK

(i) war and hostilities (whether war be declared or not), invasion, act of foreign enemies,
(ii) rebellion, revolution, insurrection, or military or usurped power, or civil war,
(iii) ionizing radiations, or contamination by radioactivity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof,
(iv) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds,
(v) riot, commotion or disorder, unless solely restricted to the employees of the Contractor or of his Subcontractors and arising from the conduct of the Works;

(b) loss or damage due to the use or occupation by the Procuring Entity of any Section or part of the Permanent Works, except as may be provided for in the Contract;

(c) loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible; and

(d) any operation of the forces of nature (insofar as it occurs on the Site) which an experienced contractor:

(i) could not have reasonably foreseen, or
(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures:
  (a) prevent loss or damage to physical property from occurring by taking appropriate measures, or
  (b) insure against.

21.1 Insurance of Works and Contractor's Equipment

(Procuring Entity may vary this Sub-clause 1.1 (b))

21.4 Exclusions

There shall be no obligation for the insurances in Sub-Clause 21.1 to include loss or damage caused by the risks listed under Sub-Clause 20.4 para (a) (i) to (iv).

The following Sub-Clause 25.5 is added:

23.2 Minimum Amount of Insurance

Such insurance shall be for at least the amount stated in the Appendix-A to Bid "Special Stipulations"

25.5 Insurance Company

The Contractor shall be obliged to place all insurances relating to the Contract (including, but not limited to, the insurances referred to in Clauses 21, 23 and 24) with either National Insurance Company of Pakistan or any other insurance company operating in Pakistan and acceptable to the Procuring Entity.

Costs of such insurances shall be borne by the Contractor.

The following Sub-Clause 31.3 is added:

31.3 Co-operation with other Contractors

During the execution of the Works, the Contractor shall co-operate fully with other contractors working for the Procuring Entity at and in the vicinity of the Site and also shall provide adequate precautionary facilities not to make himself a nuisance to local residents and other contractors.
The following Sub-Clauses 34.2 to 34.12 are added:

34.2 Rates of Wages and Conditions of Labour

The Contractor shall pay rates of' wages and observe conditions of labour not less favourable than those established for the trade or industry where the work is carried out. In the absence of any rates of wages or conditions of labour so established, the Contractor shall pay rates of wages and observe conditions of labour which are not less favourable than the general level of wages and conditions observed by other Procuring Entities whose general circumstances in the trade or in industry in which the Contractor is engaged are similar.

34.3 Employment of Persons in the Service of Others

The Contractor shall not recruit his staff and labour from amongst the persons in the services of the Procuring Entity or the Engineer; except with the prior written consent of the Procuring Entity or the Engineer, as the case may be.

34.4 Housing for Labour

Save insofar as the Contract otherwise provides, the Contractor shall provide and maintain such housing accommodation and amenities as he may consider necessary for all his supervisory staff and labour, employed for the purposes of or in connection with the Contract including all fencing, electricity supply, sanitation, cookhouses, fire prevention, water supply and other requirements in connection with such housing accommodation or amenities. On completion of the Contract the temporary camps or housing provided by the Contractor shall be removed and the Site reinstated to its original condition, all to the approval of the Engineer.

34.5 Health and Safety

Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour at all times throughout the period of the Contract. The Contractor shall further ensure that suitable arrangements are made for the prevention of epidemics and for all necessary welfare and hygiene requirements.

34.6 Epidemics

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary authorities, for purpose of dealing with and overcoming the same.

34.7 Supply of Water

The Contractor shall, so far as is reasonably practicable, having regard to local conditions**,** provide on the Site, to the satisfaction of the Engineer or his representative, adequate supply of drinking and other water for the use of his staff and labour.

34.8 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinances and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or suffer any such importation, sale, gift, barter or disposal by his Subcontractors, agents, staff or labour.

34.9 Arms and Ammunition

The Contractor shall not give, or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same as aforesaid.

34.10 Festivals and Religious Customs

The Contractor shall in all dealings with his staff and labour have due regard to all recognized festivals, days of rest and religious and other customs.

34.11 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst staff and labour and for the preservation of peace and protection of persons and property in the neighbourhood of the Works against the same.

34.12 Compliance by Subcontractors

The Contractor shall be responsible for compliance by his Subcontractors of the provisions of this Clause.

The following Sub-Clauses 35.2 and 35.3 are added:

35.2 Records of Safety and Health

The Contractor shall maintain such records and make such reports concerning safety, health and welfare of persons and damage to property as the Engineer may from time to time prescribe.

35.3 Reporting of Accidents

The Contractor shall report to the Engineer details of any accident as soon as possible after its occurrence. In the case of any fatality or serious accident, the Contractor shall, in addition, notify the Engineer immediately by the quickest available means.

The following Sub-Clause 36.6 is added:

36.6 Use of Pakistani Materials and Services

The Contractor shall , so far as may be consistent with the Contract, make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services, available in Pakistan preferably in KPK provided such materials, supplies, plant, equipment and services shall be of required standard.

41.1 Commencement of Works

The Contractor shall commence the Works on Site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the Contractor shall proceed with the Works with due expedition and without delay.

43.1 Time for Completion

The whole of the Works and, if applicable, any Section required to be completed within a particular time as stated in the Appendix-A to Bid "Special Stipulations" shall be completed, in accordance with the provisions of Clause 48, within the time stated in the Appendix-A to Bid for the whole of the Works or the Section (as the case may be), calculated from the Commencement Date, or such extended time as may be allowed under Clause 44.

44.1 Extension of Time for Completion

In the event of:

(a) the amount or nature of extra or additional work,
(b) any cause of delay referred to in these Conditions,
(c) exceptionally adverse climatic conditions,
(d) any delay, impediment or prevention by the Employer, or
(e) other special circumstances which may occur, other than through a default of or breach of contract by the Contractor or for which he is responsible,

being such as fairly to entitle the Contractor to an extension of the Time for Completion of the Works, or any Section or part thereof, the Engineer shall, after due consultation with the Employer and the Contractor, determine the amount of such extension and shall notify the Contractor accordingly, with a copy to the Employer.

47.1 Liquidated Damages for Delay

If the Contractor fails to comply with the Time for Completion in accordance Damages with Clause 48, for the whole of the Works or, if applicable, any Section within the relevant time prescribed by Clause 43, then the Contractor shall pay to the Employer the relevant sum stated in the Appendix-A to Bid "Special Stipulations" as liquidated damages for such default and not as a penalty (which sum shall be the only monies due from the Contractor for such default) for every day or part of a day which shall elapse between the relevant Time for Completion and the date stated in a Taking-Over Certificate of the whole of the Works or the relevant Section, subject to the applicable limit stated in the Appendix-A to Bid. The Employer may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the Contractor. The payment or deduction of such damages shall not relieve the Contractor from his obligation to complete the Works, or from any other of his obligations and liabilities under the Contract.

47.2 Reduction of Liquidated Damages

If, before the Time for Completion of the whole of the Works or, if applicable, any Section, a Taking-Over Certificate has been issued for any part of the Works Damages or of a Section, the liquidated damages for delay in completion of the remainder of the Works or of that Section shall, for any period of delay after the date stated in such Taking-Over Certificate, and in the absence of alternative provisions in the Contract, be reduced in the proportion which the value of the part so certified bears to the value of the whole of the Works or Section, as applicable. The provisions of this Sub-Clause shall only apply to the rate of liquidated damages and shall not affect the limit thereof.

47.3 Bonus for Early Completion of Works

The Contractor shall in case of earlier completion for either whole of the work as prescribed in Appendix-A to Bid “Special Stipulations”.

48.2 Taking Over of Sections or Parts

Any Section in respect of which a separate Times for Completion shall be provided in the Appendix-A to Bid “Special Stipulations”.

49.1 Defects Liability Period

In these Conditions the expression "Defects Liability Period" shall mean the Period defects liability period named in the Appendix-A to Bid “Special Stipulations” calculated from:

(a) The date of completion of the Works certified by the Engineer in accordance with Clause 48.2, or

(b) In the event of more than one certificate having been issued by the Engineer under Clause 48.2, the respective dates so certified, and in relation to the Defects Liability Period the expression "the Works" shall be construed accordingly.

51.2 Instructions for Variations

The Contractor shall not make any such variation without an instruction of the Engineer in writing. Provided that no instruction shall be required for increase or decrease in the quantity of any work where such increase or decrease is not the result of an instruction given under this Clause, but is the result of the quantities exceeding or being less than those stated in the Bill of Quantities. No Activity of variation will be initiated before prior approval of the competent authority.

52.1 Valuation of Variations

All variations referred to in Clause 51 and any additions to the Contract Price Variations which are required to be determined in accordance with Clause 52 (for the purposes of this Clause referred to as "varied work"), shall be valued at the rates and prices set out in the Contract if, in the opinion of the Engineer, the same shall be applicable. If the Contract does not contain any rates or prices applicable to the varied work, the rates and prices in the Contract shall be used as the basis for valuation so far as may be reasonable, failing which, after due consultation by the Engineer with the Employer and the Contractor, suitable rates or prices shall be agreed upon between the Engineer and the Contractor. In the event of disagreement, the Engineer shall fix such rates or prices as are, in his opinion, appropriate and shall notify the Contractor accordingly, with a copy to the Employer. within a period not exceeding one-eighth of the completion time subject to a minimum of 28 days from the date of disagreement whichever is later.as rates or prices are agreed or fixed, the Engineer shall determine provisional rates or prices to enable on-account payments to be included in certificates issued in accordance with Clause 60.

53.4 Failure to Comply

This Sub-Clause is deleted in its entirety.

54.3 Customs Clearance

(Procuring Entity may vary this Sub-Clause)

54.5 Conditions of Hire of Contractor's Equipment

The following paragraph is added:
The Contractor shall, upon request by the Engineer at any time in relation to any item of hired Contractor's Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

The following Sub-Clauses 59.4 & 59.5 are added:

59.4 Payments to Nominated Subcontractors

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with Clause 58 [Provisional Sums], except as stated in Sub-Clause 59.5 [Certification of Payments]

59.5 Certification of Payments & Nominated Subcontractors

Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

a) submits reasonable evidence to the Engineer, or

b) i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and

ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Procuring Entity may (at his sole discretion) pay direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Procuring Entity, the amount which the nominated Subcontractor was directly paid by the Procuring Entity.

60.1 Monthly Statements

The Contractor shall on the basis of the joint measurement of work done under Clause 56.1, submit to the Engineer after the end of each month three copies, each signed by the Contractor's representative approved by the Engineer, in such form as the Engineer may from time to time prescribe, showing the amounts to which the Contractor considers himself to be entitled up to the end of the month in respect of:

(a) the value of the Permanent Works executed,
(b) any other items in the Bill of Quantities including those for Contractor's Equipment, Temporary Works, dayworks and the like,
(c) the percentage of the invoice value of listed materials, all as stated in Sub-Cause 60.11 (a)(6) hereof". (in case Clause 60.11 is applicable), and Plant delivered by the Contractor on the Site for incorporation in the Permanent Works but not incorporated in such Works,
(d) adjustments under Clause 70, and
(e) any other sum to which the Contractor may be entitled under the Contract or otherwise.

60.2 Monthly Payments

The Engineer shall, within 14 days of receiving such statement, deliver to the Employer an Interim Payment Certificate stating the amount of payment to the Contractor which the Engineer considers due and payable in respect of such statement, subject:
(a) firstly, to the retention of the amount calculated by applying the Percentage of Retention stated in the Appendix-A to Bid "Special Stipulations", to the amount to which the Contractor is entitled under paragraphs (a), (b), (c) and (e) of Sub-Clause 60.1 until the amount so retained reaches the Limit of Retention Money stated in the Appendix-A to Bid "Special Stipulations" and
(b) secondly, to the deduction, other than pursuant to Clause 47, of any sums which may have become due and payable by the Contractor to the Employer. Provided that the Engineer shall not be bound to certify any payment under this Sub-Clause if the net amount thereof, after all retentions and deductions, would be less than the Minimum Amount of Interim Payment Certificates stated in the Appendix-A to Bid "Special Stipulations".

Notwithstanding the terms of this Clause or any other Clause of the Contract no amount will be certified by the Engineer for payment until the performance security, if required under the Contract, has been provided by the Contractor and approved by the Employer.

60.10 Time for Payment

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall , subject to Clause 47, be paid by the Procuring Entity to the Contractor within 30 days (subject to fulfill all codal formalities by contractor and also availability of funds) after such Interim Payment Certificate has been jointly verified by Procuring Entity and Contractor, or, in the case of the Final Certificate, within 60 days after such Final Payment Certificate has been jointly verified by Procuring Entity and Contractor; Provided that the Interim Payment shall be caused in 42 days and Final Payment in 60 days in case of foreign funded project. In the event of the failure of the Procuring Entity to make payment within the times stated, the Procuring Entity shall pay to the Contractor compensation at the 28 days rate of KIBOR+2% per annum for local currency and LIBOR+1% for foreign currency, upon all sums unpaid from the date by which the same should have been paid. The provisions of this Sub-Clause are without prejudice to the Contractor's entitlement.

60.11 Secured Advance on Materials

a) The Contractor shall be entitled to receive from the Procuring Entity Secured Advance against an indemnity bond acceptable to the Procuring Entity of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:

1) The materials are in accordance with the Specifications for the Permanent Works;

2) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction of the Engineer but at the risk and cost of the Contractor;

3) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;

4) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefor;

5) Ownership of such materials shall be deemed to vest in the Procuring Entity and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Procuring Entity; and

6) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of other materials.

b) The recovery of Secured Advance paid to the Contractor under the above provisions shall be effected from the monthly payments on actual consumption basis.

60.12 Mobilization Advance (Financial Assistance to Contractor)

Financial assistance shall be made available to the Contractor by the Procuring Entity by adopting following Alternatives**:**

(a) An interest-free Mobilization Advance 15% of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Entity to the Contractor in two equal parts

(b) upon submission by the Contractor of a Mobilization Advance Guarantee/ for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan:

(1) First part within 14 days after signing of the Contract Agreement or date of receipt of Engineer's Notice to Commence, whichever is earlier; and

(2) Second part within 42 days from the date of payment of the first part, subject to the satisfaction of the Engineer as to the state of mobilization of the Contractor.

(c) This Advance shall be recovered in equal installments; first installment at the expiry of third month after the date of payment of first part of Advance and the last installment two months before the date of completion of the Works as per Clause 43 hereof.

63.1 Default of Contractor

The following para is added at the end of the Sub-Clause:

Provided further that in addition to the action taken by the Procuring Entity against the Contractor under this Clause, the Procuring Entity may also refer the case of default of the Contractor to Pakistan Engineering Council for punitive action under the Construction and Operation of Engineering Works Bye-Laws 1987, as amended from time to time as well as under the prevailing rules of KPPRA.

65.2 Special Risks

The Special Risks are the risks defined under Sub-Clause 20.4 sub paragraphs (a) (i) to (a) (v).

67. 3 Arbitration

In the sixth to eight lines, the words “shall be finally settled ..... appointed under such Rules” are deleted and substituted with the following:
shall be finally settled under the provisions of the Arbitration Act, 1940 as amended or any statutory modification or re-enactment thereof for the time being in force.

The following paragraph is added:

The place of arbitration shall be ……, Pakistan.

68.1 Notice to Contractor

The following paragraph is added:

For the purposes of this Sub-Clause, the Contractor shall, immediately after receipt of Letter of Acceptance, intimate in writing to the Procuring Entity and the Engineer by registered post, the address of his principal place of business or any change in such address during the period of the Contract.

68.2 Notice to Procuring Entity and Engineer

For the purposes of this Sub-Clause, the respective address are:

a) The Procuring Entity :
(to be filled in by the Procuring Entity as appropriate)

b) The Engineer:
(to be filled in by the Procuring Entity as appropriate)

70.1 Increase or Decrease of Cost

The amounts payable to the Contractor, pursuant to Sub-Clause 60.1, shall be adjusted in respect of the rise or fall in the cost of labor, materials, and other inputs to the Works, by applying to such amount the formula prescribed in this Sub-Clause.

(a) Other Changes in Cost

To the extent that full compensation for any rise or fall in costs to the Contractor is not covered by the provisions of this or other Clauses in the Contract, the unit rates and prices included in the Contract shall be deemed to include amounts to cover the contingency of such other rise or fall of costs.

(b) Adjustment Formula

The adjustment to the monthly statements in respect of changes in cost shall be determined from the following formula:-

$$Pn = A + b\frac{Ln}{Lo} + c\frac{Mn}{Mo} + d\frac{En}{Eo} + \ldots\ldots\ldots\ldots\ldots$$

Where:

Pn is a price adjustment factor to be applied to the amount for the payment of the work carried out in the subject month, determined in accordance with Paragraph 60.1 (a), and with Paragraphs 60.1 (b) and (e), where any variations and daywork are not otherwise subject to adjustment;

A is a constant, specified in Appendix-C to Bid, representing the nonadjustable portion in contractual payments;

b, c, d, etc., are weightages or coefficients representing the estimated proportion of each cost element (labour, cement and reinforcing steel etc.) in the Works or Sections thereof, net of Provisional Sums and Prime Cost; the sum of A, b, c, d, etc., shall be one;

Ln, Mn, En, etc., are the current cost indices or reference prices of the cost elements for month "n" , determined pursuant to Sub-Clause 70.1(d), applicable to each cost element; and

Lo, Mo, Eo, etc., are the base cost indices or reference prices corresponding to the above cost elements at the date specified in Sub-Clause 70.1(d).

(c) Sources of Indices and Weightages

The sources of indices and weightages shall be those listed in Appendix-C to Bid, duly filled in by the Procuring Entity /Engineer.

(d) Base, Current, and Provisional Indices

The base cost indices or prices shall be those prevailing on the day 28 days prior to the latest date for submission of bids. Current indices or prices shall be those prevailing on the day 28 days prior to the last day of the period to which a particular monthly statement is related. If at any time the current indices are not available, provisional indices as determined by the Engineer will be used, subject to subsequent correction of the amounts paid to the Contractor when the current indices become available.

(e) Adjustment after Completion

If the Contractor fails to complete the Works within the Time for Completion prescribed under Clause 43, adjustment of prices thereafter until the date of completion of the Works shall be made using either the indices or prices relating to the prescribed time for completion, or the current indices or prices, whichever is more favorable to the Procuring Entity, provided that if an extension of time is granted pursuant to Clause 44, the above provision shall apply only to adjustments made after the expiry of such extension of time.

(f) Weightages

The weightages for each of the factors of cost given in Appendix-C to Bid shall be adjusted if, in the opinion of the Engineer, they have been rendered unreasonable, unbalanced, or inapplicable as a result of varied or additional work executed or instructed under Clause 51. Such adjustment(s) shall have to be agreed in the variation order.

The following Sub-Clauses 73.1, 73.2, 74.1, 75.1, 76.1, 77.1and 78.1 are added:

73.1 Payment of Income Tax

The Contractor, Subcontractors and their employees shall be responsible for payment of all their income tax, super tax and other taxes on income arising out of the Contract and the rates and prices stated in the Contract shall be deemed to cover all such taxes.

73.2 Customs Duty & Taxes

(Procuring Entity may incorporate provisions where applicable)

74.1 Integrity Pact

If the Contractor or any of his Subcontractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-L to his Bid, then the Procuring Entity shall be entitled to:

(a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Subcontractors, agents or servants;

(b) terminate the Contract; and

(c) recover from the Contractor any loss or damage to the Procuring Entity as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agents or servants.

The termination under Sub-Para (b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clauses 63.1 to 63.4 and the payment under Sub-Clause 63.3 shall be made after having deducted the amounts due to the Procuring Entity under Sub-Para (a) and (c) of this Sub-Clause.

75.1 Termination of Contract for Procuring Entity's Convenience

The Procuring Entity shall be entitled to terminate the Contract at any time for the Procuring Entity's convenience after giving 56 days prior notice to the Contractor, with a copy to the Engineer. In the event of such termination, the Contractor :

(a) shall proceed as provided in Sub-Clause 65.7 hereof; and

(b) shall be paid by the Procuring Entity as provided in Sub-Clause 65.8 hereof.

76.1 Liability of Contractor

The Contractor or his Subcontractors or assigns shall follow strictly, all relevant labour laws including the Workmen's Compensation Act and the Procuring Entity shall be fully indemnified for all claims, damages etc. arising out of any dispute between the Contractor, his Subcontractors or assigns and the labour employed by them.

77.1 Joint and Several Liability

If the Contractor is a joint venture of two or more persons, all such persons shall be jointly and severally bound to the Procuring Entity for the fulfillment of the terms of the Contract and shall designate one of such persons to act as leader with authority to bind the joint venture. The composition or the constitution of the joint venture shall not be altered without the prior consent of the Procuring Entity.

78.1 Details to be Confidential

The Contractor shall treat the details of the Contract as private and confidential, save in so far as may be necessary for the purposes thereof, and shall not publish or disclose the same or any particulars thereof in any trade or technical paper or elsewhere without the prior consent in writing of the Procuring Entity or the Engineer. If any dispute arises as to the necessity of any publication or disclosure for the purpose of the Contract, the same shall be referred to the decision of the Engineer whose award shall be final.

79.1 Management Meetings

The Engineer may require the Contractor to attend a management meeting in order to review the arrangement for future work. The presence of the Employer or his Representative is mandatory in this meeting. The Engineer shall record the business of Management meeting and supply copies of the record to those attending the meeting and to the Employer. In the record, responsibilities of any actions to be taken shall be in accordance with the contract.

80.1 Protection of the Environment

The Contractor shall meet atleast the minimum requirements for environmental management as per the guidelines of Pakistan Environmental Protection Agency or as directed by the Engineer, In respect of safety, security and protection of the Environment.

The contractor shall be responsible for ensuring that all subcontractor's and contractor personnel also under stand and operate in accordance with the requirements mentioned hereinabove.

80.2 Engineer's Office

The Contractor shall construct, provide and maintain Engineer's and Employer's representative site office as per Appendix H to Bid

PART II –PARTICULAR CONDITIONS OF CONTRACT

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PART II –PARTICULAR CONDITIONS OF CONTRACT

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Clint :	**PAK-AUSTRIA FACHHOCHSCHULE INSTITUTE OF APPLIES SCIENCE & TECHNOLOGY, UNIVERSITY OF HARIPUR**
Consultant :	**MAK ENGINEERING SERVICES**
Project Name:	**CONSTRUCTION PAK-AUSTRIA FACHHOCHSCHULE**
Estimate :	**Hostal (Per Sft Cost)** — **Based On MRS-2024**

S.No	Description	Schedule Cost (Rs.)	Non-Schedule Cost (Rs.)	Schedule+Non Schedule Cost (Rs.)	Covered Area (Sft)	Cost Per Sft (Rs.)
1	Civil Works	235,971,405		235,971,405	38,029	6,205.04
2	Electrical Work	18,324,718	2,346,500	20,671,218	38,029	543.56
3	Plumbing Work	4,154,462	-	4,154,462	38,029	109.24
5	CCTV Camera System	2,469,317	1,418,002	3,887,319	-	-
6	Fire Alarm System	1,811,324	-	1,811,324	38,029	47.63
	Sub Total Amount	**262,731,226**	**3,764,502**	**266,495,728**	**38,029**	**6,905.48**
Total Of Building (S.Cost+N.S.Cost)		**266,495,728**			**266.4957**	**Million**

Hostal							
Main Building Abstract of Cost						**Based On MRS-2024**	
S-No		**Description Of Items**	**Unit**	**Rate (Rs)**	**Quantity**	**Amount (Rs)**	**Remarks**
	Chapter #:03	**EARTHWORK (EXCAVATION AND EMBANKMENT)**					
1	03-25-d	complete : in shingle/gravel	m3	449.67	3105.79	1,396,580.55	
2	03-18-a	Filling, watering and ramming earth under floor with surplus earth from foundation, etc	m3	131.55	1827.50	240,408.11	
3	(03-19-a)+ (03-20-a)+ (03-20-b)+ (03-20-c)	Transportation of earth upto 8 **Km**	m3	1491.87	1827.50	2,726,397.92	
	Chapter #:06	**CONCRETE**					
4	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	m3	15436.87	179.45	2,770,143.12	
5	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	m3	11471.96	227.83	2,613,653.20	
6	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	m3	12859.69	13.59	174,763.62	
7	06-49-a	Concrete Class A1	m3	17984.32	1508.58	27,130,762.25	
8	06-49-a	Concrete Class A1	m3	17984.32		-	
9	i)	Rcc in Ground Floor	m3	17984.32	401.03	7,212,193.82	
10	ii)	Rcc in 1st Floor	m3	17984.32	386.94	6,958,875.60	
11	06-07-a-01	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1:2)	m3	24236.2		-	
12	i)	Rcc in Ground Floor	m3	24236.2	82.78	2,006,331.24	
13	ii)	Rcc in 1st Floor	m3	24236.2	82.78	2,006,331.24	
14	06-07-e	Add extra labour for RCC in 2nd & subsequent storeys	m3	1319	469.72	619,565.54	
15	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	327869.31	309.34	101,422,349.29	
16	06-47-b	Erection and removal of Form work with Steel Surface Finshing for RCC or Plain cement Concrete in any shape - Position / Vertical	m2	973.97	1405.20	1,368,626.99	
17	06-47-c	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal	m2	1147.66	3663.70	4,204,678.00	
18	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shape - Position / Vertical	m2	1213.02	2438.06	2,957,410.78	
19	06-30-b-02	V. Damp proof c/s plaster, 1 layer polythene 2 coats bitumen Ratio 1:4 (0.75" thick)	m2	997	299.72	298,822.03	
	Chapter #:07	**BRICK MASONRY**					
20	07-04-a-05	1st class brick work in foundation and plinth in Cement, sand mortar 1:6	m3	14982.89	248.73	3,726,657.71	
21	07-05-a-04	1st class brick work in ground floor Cement, sand mortar 1:5	m3	16286.75	452.58	7,370,979.22	
22	07-05-a-04	1st class brick work in ground floor Cement, sand mortar 1:5	m3	16286.75	493.02	8,029,665.75	
23	07-06-a	Add extra on item No.07-05 for brick work in First floor	m3	644.03	493.02	317,518.57	
24	07-39-a	Providing and Fixing Face Work with Brick Tiles (Gutka) of size 2" x 2" x 9" on interior, exterior wall with cement sand mortar 1:3 including ties and scaffolding complete in all respects.	m2	2332.27	1036.25	2,416,803.95	
	Chapter #:09	**ROOFING**					
25	09-16	Khuras on roof 2'x2'x6"	Each	1378.5	4.00	5,514.00	
	Chapter #:10	**FLOORING**					
26	10-26-c-i	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/4" thick 12 x 12 Super Sunny White Marble	m2	2777.45	2568.67	7,134,351.91	
27	10-45-a-i	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/8" thick 12 x 12 Super Sunny White Marble	m2	2736.27	346.09	946,992.14	
28	10-26-e	Providing and Laying marble fine dressed stone 4-5 feet and 12" wide 1" thick for stairs steps	m2	2040.22	113.94	232,463.73	

Main Building Abstract of Cost						Based On MRS-2024	
S-No		Description Of Items	Unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
29	10-38-a	Providing and Laying 1" Thick Super White Marble Slab Exceeding 12"x12" size Kitchen Top in White Cement including all labour for Grinding and Polishing.	m2	8213.93	22.07	181,301.89	
30	10-39-c	Glazed tile 1/4" thick dado jointed in white cement complete : Printed Ceramic Tile - 6"x6"	m2	1929.6	27.67	53,395.76	
31	10-50-a	Providing and Fixing Ceramic Floor Tiles of approved quality of Size : 12" x 12"	m2	2366.49	166.44	393,874.11	
32	10-55-j	Providing and Fixing of Bath Room Tiles 12"x18" of approved quality	m2	2367.13	703.90	1,666,230.11	
33	10-55-k	Providing and Fixing of Bath Room Tiles Border 12" x 3" of approved quality	m	1038.89	329.78	342,602.43	
34	10-55-g	Providing and Fixing of Porcelain Floor Tile 24" x 24" of approved quality	m2	3681.32	55.76	205,278.07	
35	10-60-a	Providing and laying 3/4"(19mm) thick Granite Black polished tiles of approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	m2	8856	88.66	785,188.10	
	Chapter #:11	**SURFACE RENDERING**					
36	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	m2	483.05		-	
37	11-09-b	Ground Floor	m2	483.05	3076.85	1,486,271.23	
38	11-09-b	1st Floor	m2	483.05	3314.08	1,600,866.31	
39	11-10-b	Cement plaster 3/8" thick under soffit of RCC roof slabs only upto 20' height : (1:3)	m2	473		-	
40	11-10-b	Ground Floor	m2	473	1813.38	857,730.11	
41	11-10-b	1st Floor	m2	473	1720.91	813,990.80	
42	11-09-c	Cement plaster 1:4 upto 20' height 3/4" thick	m2	652.84			
43	11-09-c	Ground Floor	m2	652.84	1201.34	784,284.12	
44	11-09-c	1st Floor	m2	652.84	1312.11	856,594.64	
45	11-26	Extra for lime, mud or cement plaster & pointing from 20' & above for each additional 10' height	m2	60.82	6347.10	386,030.36	
46	11-20-b	Providing and applying wall putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.	m2	77.6	12438.67	965,240.65	
47	13-22-a	Preparing surface and painting with emulsion paint : First coat	m2	185.23	8904.37	1,649,357.30	
48	13-22-b	Preparing surface and painting with emulsion paint : 2nd & each subsequent coat.	m2	120.5	8904.37	1,072,977.13	
49	11-21-a-03	Distempering New surface : Three coats	m2	211.11	3534.29	746,124.74	
	Chapter #:12	**WOOD WORK, WOODEN/ALUMINIUM JOINERY**					
50	12-70-a	Supply and Fixing MS Sheet 16 guage(10" x 2") box type chowkats including fixing in position with all charges for Hold fast, Hinges and Painting etc	m	1442.69	421.82	608,559.27	
51	12-08-c	First class deodar wood wrought joinery in doors and windows etc. complete : 1.5" thick	m2	28002.66	68.31	1,912,821.11	
52	12-84	Providing & fixing uPVC white color full body doors with UPVC frame and chowkat including, locks and all hardware fittings, etc. complete in all respects	m2	12225.32	81.68	998,593.65	
53	12-58	24 SWG aluminium kick plate 4" high, on bottom rail of flush doors of commercial ply	m	377.76	81.68	30,856.35	
54	12-21-b	P/F hydraulic Door Closer (Best Quality)	Each	2780.39	78.00	216,870.42	
55	12-28-a	Providing and fixing wooden box type wardrobe 24" (600 mm) deep including 3/4" (19mm) thick boxing and shelves hanger rods, hardboard 3/16" (5mm) thick back drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including painting. (UV Medium Density Fibre High Gloss Board 3/4" (19mm) thick Shutters and shelves and back with 3/4" thick laminated veneer board)	m2	18173.54	167.88	3,050,908.36	

Main Building Abstract of Cost						Based On MRS-2024	
S-No		Description Of Items	Unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
56	12-78-a	Kitchen Floor Cabinet as per approved Design/Specification..	m2	12455.35	44.61	555,629.00	
57	12-78-b	Kitchen Wall Cabinet as per approved Design/Specification.	m2	10530.27	16.36	172,242.33	
58	12-64-a-06	Supply and Fixing aluminium door/window,Fixed Glazing Premium model (2.00 mm gauge) 4" section	m2	15520.8	237.17	3,681,141.41	
59	12-65-a-06	Supply and Fixing aluminium door/window, Sliding Window Premium model (2.00 mm gauge) 4" section	m2	15817.18	239.78	3,792,595.20	
60	12-64-d-05	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Premium model (2.00 mm gauge) 2" section	m2	6768.21	119.89	811,430.38	
61	12-65-e-12	Supply and Fixing aluminium door/window, Swing Door Double Action Premium model (2.00 mm gauge) 4" section	m2	15295.35	12.69	194,034.88	
62	12-65-e-04	Supply and Fixing aluminium door/window, Swing Door Single Action Premium model (2.00 mm gauge) 4" section	m2	13824.59	5.86	80,943.23	
63	12-64-e-03	Supply and Fixing aluminium door/window, Fixed Louver in frame Deluxe model (1.60 mm gauge) 2" section	m2	7770.65	110.41	857,949.09	
64	12-61	MS flat 1/2"x1/8" grill in windows of approved design	m2	3589.65	166.73	598,497.41	
65	12-73-a	Providing and fixing First class deodar wood projected beading upto one sq.inch.(6.5sq.cm.) wide in section, designed, fixed around the panels of doors, windows of any description.	m	253.41	843.65	213,788.14	
66	12-24-a-01	Extra for providing/fixing approved quality Rim locks : Imported	Each	2276.4	78.00	177,559.20	
67	12-22-c-02	Providing and fixing sliding bolt to doors Brass sliding bolts : 12" long	Each	2215.93	78.00	172,842.54	
Chapter #:13		**PAINTING AND VARNISHING**					
68	13-03-c-01	Prepare & Paint new surface, doors & windows Priming coat	m2	306.76	16.73	5,131.67	
69	13-03-c-02	Prepare & Paint new surface, doors & windows Each subsequent coat of paint	m2	220.97	33.46	7,393.05	
70	13-06	Applying lacquer polish to wood work of any type	m2	1193.01	359.85	429,306.20	
71	13-07-a	Varnishing wood work, including cleaning & preparing surface : First coat	m2	138.71	359.85	49,914.97	
72	13-07-b	Varnishing wood work, including cleaning & preparing surface : Second coat	m2	87.64	359.85	31,537.37	
73	13-08-b	Bitumen coating to plastered / cement concrete surface : 14 lbs. per 100 sft.	m2	258.45	2157.78	557,679.13	
74	13-25-a	Preparing surface & painting with snowcem / weathershield paint : First coat	m2	305.9	1800.00	550,620.00	
75	13-25-b	Preparing surface & painting with snowcem / weathershield paint : 2nd & subsequent coats	m2	165.11	1800.00	297,198.00	
76	13-24	Extra labour for painting, varnishing etc from 20' height & above, for every additional 10'	m2	17.15	1800.00	30,870.00	
77	13-24*2	Extra labour for painting, varnishing etc from 20' height & above, for every additional 10' 2nd Floor	m2	34.3	1800.00	61,740.00	
78	13-24*3	Extra labour for painting, varnishing etc from 20' height & above, for every additional 10' 3rd Floor	m2	51.45	1800.00	92,610.00	
79	13-24*4	Extra labour for painting, varnishing etc from 20' height & above, for every additional 10' 4th Floor	m2	68.6	1800.00	123,480.00	
80	13-24*5	Extra labour for painting, varnishing etc from 20' height & above, for every additional 10' 5th Floor	m2	85.75	1800.00	154,350.00	
81	11-18-a	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:2	m2	521.37	1196.10	623,608.91	
82	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	m2	44.59	1196.10	53,333.95	
83	28-18	Providing and fixing with steel nails and washers, the chicken wire mesh of approved quality, at joint of concrete and masonry work (4" wide strip) before plastering etc complete.	m2	983.96	94.80	93,275.02	

Main Building Abstract of Cost						Based On MRS-2024	
S-No		Description Of Items	Unit	Rate (Rs)	Quantity	Amount (Rs)	Remarks
84	25-47	Supply and fixing of fancy type stainless steel chromium plate 2" dia pipes stair railing 3/4" dia pipe fixed on specified space on steps in horizontal positions, complete in all respects	m	5017.22	47.24	237,021.98	
85	28-15	Pre anti Termite Treatment in the building mixed with water of mixing ratio as per the manufacturer's certified manual	m2	96.56	2416.36	233,323.42	
86	24-40	Supplying and Fixing PVC Water Stopper 8" wide 3/8" thick. Providing and fixing PVC water stopper 8" wide 3/8" thick in verticle (Wall/Column) or horizontal (Floor/Slab) expansion joint inclusing cutting and jointing complete in all respects.	m	578.01	273.70	158,199.63	
87	16-79	Providing & laying stone soling in water logged area including granular filling & compaction complete.	m3	4085.87	714.01	2,917,371.33	
		Total Schedule Items Amount (Rs)				**235,971,404.73**	

	Project :	**Hostal**										
	Subject :	**Measurment Sheet**										
						Measurment						
S-No	**Item Code**	**Description**		**No**		**Length**	**Width**	**Hight**	**Quantity**	**Unit**	**Remarks**
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel									
	Excavation Total		1	x	1	21766.50		5.00	108832.50	Cft	
	septic tank		3	x	1	8.00	6.00	6.00	864.00	Cft	
						Total Quantity			**109696.50**	**Cft**	
						Total Quantity			**3105.79**	**M^3**	
2	03-18-a	Filling, watering and ramming earth under floor with surplus earth from foundation, etc									
	internal building upto Plinth Beams Top		1	x	1	21766.50		7.00	152365.50	Cft	
	D/d Quantity										
	PCC Raft		-1	x	1	21766.50		0.33	-7182.95	Cft	
	Raft Foundation RCC		-1	x	1	21766.50		2.25	-48974.63	Cft	
	Plinth beams										
	Horizantal (X - AXIS)										
	//		-4	x	1	150.00	1.00	1.25	(750.00)	Cft	Pink
	//		-4	x	1	150.00	1.00	1.25	(750.00)	Cft	Green
	//		-6	x	1	40.00	1.00	1.25	(300.00)	Cft	blue
	Vertical (Y - AXIS)								-		
	//		-2	x	1	152.25	1.00	1.25	(380.63)	Cft	Pink
	//		-2	x	1	71.00	1.00	1.00	(142.00)	Cft	Pink
	//		-4	x	1	71.00	1.00	1.25	(355.00)	Cft	Green
	//		-16	x	1	40.00	1.00	1.00	(640.00)	Cft	Green
	Columns short										
	C1		-70	x	1	1.50	1.50	4.00	(630.00)	Cft	
	C2		-36	x	1	1.50	1.25	4.00	(270.00)	Cft	
	C3		-3	x	1	1.25	1.25	4.00	(18.75)	Cft	
	Total Quantity Excavation use 25%								-27424.13	Cft	
						Total Quantity			**64547.43**	**M^3**	
						Total Quantity			**1827.50**	**M^3**	
4	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)									
	PCC UNDER **Ground Floor**		1	x	1	19512.00		0.17	3252.00	Cft	
	PCC UNDER **1st Floor**		1	x	1	18517.00		0.17	3086.17	Cft	
						Total Quantity			**6338.17**	**Cft**	
						Total Quantity			**179.45**	**M^3**	
5	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)									
	PCC Raft		1	x	1	21766.50		0.33	7182.95	Cft	
	septic tank		3	x	1	8.00	6.00	6.00	864.00	Cft	
						Total Quantity			**8046.95**	**Cft**	
						Total Quantity			**227.83**	**M^3**	
6	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)									
	Front step								0.00		
	Step No-1		1	x	1	21.00	12.00	0.50	126.00	Cft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	Step No-2		1	x	1	20.00	11.00	0.50	110.00	Cft	
	Step No-3		1	x	1	19.00	10.00	0.50	95.00	Cft	
	Step No-4		1	x	1	18.00	9.00	0.50	81.00	Cft	
	Step No-5		1	x	1	17.00	8.00	0.50	68.00	Cft	
			Total Quantity						**480.00**	**Cft**	
			Total Quantity						**13.59**	**M^3**	
7	06-49-a	Concrete Class A1									
	Complete **Raft Foundation**		1	x	1		21,766.50	2.25	48974.63	Cft	
	Plinth beams										
	Horizantal (X - AXIS)										
	//		4	x	1	150.00	1.00	1.25	750.00	Cft	Pink
	//		4	x	1	150.00	1.00	1.25	750.00	Cft	Green
	//		6	x	1	40.00	1.00	1.25	300.00	Cft	blue
	Vertical (Y - AXIS)								-		
	//		2	x	1	152.25	1.00	1.25	380.63	Cft	Pink
	//		2	x	1	71.00	1.00	1.00	142.00	Cft	Pink
	//		4	x	1	71.00	1.00	1.25	355.00	Cft	Green
	//		16	x	1	40.00	1.00	1.00	640.00	Cft	Green
	Columns short										
	C1		70	x	1	1.50	1.50	4.00	630.00	Cft	
	C2		36	x	1	1.50	1.25	4.00	270.00	Cft	
	C3		3	x	1	1.25	1.25	4.00	18.75	Cft	
	septic tank		3	x	1	8.00	6.00	0.50	72.00	Cft	
			Total Quantity						**53283.00**	**Cft**	
			Total Quantity						**1508.58**	**M^3**	
8	06-49-a	Concrete Class A1									
B	**Ground Floor**										
	Ground Floor Roof Slab Beam										
	Horizantal (X - AXIS)										
	//		4	x	1	150.00	1.00	1.25	750.00	Cft	Pink
	//		4	x	1	150.00	1.00	1.00	600.00	Cft	Green
	//		6	x	1	40.00	1.00	1.25	300.00	Cft	blue
	Vertical (Y - AXIS)								-		
	//		2	x	1	152.25	1.00	1.25	380.63	Cft	Pink
	//		2	x	1	71.00	1.00	1.00	142.00	Cft	Pink
	//		4	x	1	71.00	1.00	1.25	355.00	Cft	Green
	//		16	x	1	40.00	1.00	1.00	640.00	Cft	Green
	Ground Slab								-		
	Slab		1	x	1		19,512.00	0.50	9,756.00	Cft	
	Stairs								-	Cft	
	Stair Waist		3	x	1	30.00	5.00	0.67	301.50	Cft	
	Stair Steps		3	x	20	5.00		0.25	75.00	Cft	
	Landing		3	x	2	5.00	5.50	0.67	110.00	Cft	
	Door & windows lintel								-		
	D-1		4	x	1	7.00	0.75	0.75	15.75	Cft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	D-2		9	x	1	6.00	0.75	0.75	30.38	Cft	
	D-3		26	x	1	5.00	0.75	0.75	73.13	Cft	
	D-4		21	x	1	4.50	0.375	0.75	26.58	Cft	
	W-1		29	x	1	10.00	0.75	0.75	163.13	Cft	
	W-2		30	x	1	8.00	0.75	0.75	135.00	Cft	
	W-3		9	x	1	6.00	0.75	0.75	30.38	Cft	
	V-1		17	x	1	5.00	0.75	0.75	47.81	Cft	
	W-1		29	x	1	8.00	2.00	0.50	232.00	Cft	
			Total Quantity						**14164.27**	**Cft**	
			Total Quantity						**401.03**	**M^3**	
8	06-49-a	Concrete Class A1									
C	**First Floor**										
	First Floor Roof Slab Beam										
	Horizantal (X - AXIS)										
	//		4	x	1	150.00	1.00	1.25	750.00	Cft	Pink
	//		4	x	1	150.00	1.00	1.00	600.00	Cft	Green
	//		6	x	1	40.00	1.00	1.25	300.00	Cft	blue
	Vertical (Y - AXIS)								-		
	//		2	x	1	152.25	1.00	1.25	380.63	Cft	Pink
	//		2	x	1	71.00	1.00	1.00	142.00	Cft	Pink
	//		4	x	1	71.00	1.00	1.25	355.00	Cft	Green
	//		16	x	1	40.00	1.00	1.00	640.00	Cft	Green
	First Slab								-		
	Slab		1	x	1		18,517.00	0.50	9,258.50	Cft	
	Stairs								-	Cft	
	Stair Waist		3	x	1	30.00	5.00	0.67	301.50	Cft	
	Stair Steps		3	x	20	5.00		0.25	75.00	Cft	
	Landing		3	x	2	5.00	5.50	0.67	110.00	Cft	
	Door & windows lintel								-		
	D-1		4	x	1	7.00	0.75	0.75	15.75	Cft	
	D-2		9	x	1	6.00	0.75	0.75	30.38	Cft	
	D-3		26	x	1	5.00	0.75	0.75	73.13	Cft	
	D-4		21	x	1	4.50	0.375	0.75	26.58	Cft	
	W-1		29	x	1	10.00	0.75	0.75	163.13	Cft	
	W-2		30	x	1	8.00	0.75	0.75	135.00	Cft	
	W-3		9	x	1	6.00	0.75	0.75	30.38	Cft	
	V-1		17	x	1	5.00	0.75	0.75	47.81	Cft	
	W-1		29	x	1	8.00	2.00	0.50	232.00	Cft	
			Total Quantity						**13666.77**	**Cft**	
			Total Quantity						**386.94**	**M^3**	
					Ground Floor				**401.03**	**M^3**	
					First Floor				**386.94**	**M^3**	
					Grand Total Quantity				**787.97**	**M^3**	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
11	06-07-a-01	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1:2)									
	Ground Floor										
	Columns										
	C1		70	x	1	1.50	1.50	10.00	1,575.00	Cft	
	C2		36	x	1	1.50	1.25	10.00	675.00	Cft	
	C3		3	x	1	1.25	1.25	10.00	46.88	Cft	
	Lifts								-	Cft	
	Long wall		2	x	1	16.50	1.00	11.00	363.00	Cft	
	Short wall		3	x	1	8.00	1.00	11.00	264.00	Cft	
			Total Quantity						**2923.88**	**Cft**	
			Total Quantity						**82.78**	**M^3**	
9	06-07-a-01	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1:2)									
	First Floor										
	Columns										
	C1		70	x	1	1.50	1.50	10.00	1,575.00	Cft	
	C2		36	x	1	1.50	1.25	10.00	675.00	Cft	
	C3		3	x	1	1.25	1.25	10.00	46.88	Cft	
	Lifts								-	Cft	
	Long wall		2	x	1	16.50	1.00	11.00	363.00	Cft	
	Short wall		3	x	1	8.00	1.00	11.00	264.00	Cft	
			Total Quantity						**2923.88**	**Cft**	
			Total Quantity						**82.78**	**M^3**	
					Ground Floor				**82.78**	**M^3**	
					First Floor				**82.78**	**M^3**	
					Grand Total Amount				**165.56**	**M^3**	
10	06-08-b	Supply & fabricate M.S. reinforcement for cementconcrete (Hot rolled deformed bars Grade 60)									
	Steel Grade 60				1	681780.37			309,337.73	**Kg**	
							Total Quantity		**309.34**	**Tonne**	
12	06-47-b	Erection and removal of Form work with Steel Surface Finshing for RCC or Plain cement Concrete in any shape - Position / Vertical									
	Foundation short columns										
	Columns										
	C1		70	x	1	6.00		4.00	1,680.00	SFT	
	C2		36	x	1	5.50		4.00	792.00	SFT	
	C3		3	x	1	4.00		4.00	48.00	SFT	
	Ground Floor										
	Columns										
	C1		70	x	1	6.00		10.00	4,200.00	SFT	
	C2		36	x	1	5.50		10.00	1,980.00	SFT	
	C3		3	x	1	4.00		10.00	120.00	SFT	
	First Floor										
	Columns										
	C1		70	x	1	6.00		10.00	4,200.00	SFT	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	C2		36	x	1	5.50		10.00	1,980.00	SFT	
	C3		3	x	1	4.00		10.00	120.00	SFT	
						Total Quantity			**15120.00**	**SFT**	
						Total Quantity			**1405.20**	**M2**	
13	06-47-c	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal									
A	**Ground Floor Slab**		1	x	1		19,512.00		19,512.00	SFT	
	Door & windows lintel										
	D-1		4	x	1	7.00	0.75		21.00	SFT	
	D-2		9	x	1	6.00	0.75		40.50	SFT	
	D-3		26	x	1	5.00	0.75		97.50	SFT	
	D-4		21	x	1	4.50	0.375		35.44	SFT	
	W-1		29	x	1	10.00	0.75		217.50	SFT	
	W-2		30	x	1	8.00	0.75		180.00	SFT	
	W-3		9	x	1	6.00	0.75		40.50	SFT	
	V-1		17	x	1	5.00	0.75		63.75	SFT	
B	**1st Floor Slab**		1	x	1		18,517.00		18,517.00	SFT	
	Door & windows lintel										
	D-1		4	x	1	7.00	0.75		21.00	SFT	
	D-2		9	x	1	6.00	0.75		40.50	SFT	
	D-3		26	x	1	5.00	0.75		97.50	SFT	
	D-4		21	x	1	4.50	0.375		35.44	SFT	
	W-1		29	x	1	10.00	0.75		217.50	SFT	
	W-2		30	x	1	8.00	0.75		180.00	SFT	
	W-3		9	x	1	6.00	0.75		40.50	SFT	
	V-1		17	x	1	5.00	0.75		63.75	SFT	
						Total Quantity			**39421.38**	**SFT**	
						Total Quantity			**3663.70**	**M2**	
14	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shape - Position / Vertical									
	Complete **Raft Foundation**		1	x	1	645.00		2.25	1451.25	SFT	
	Plinth beams										
	Horizantal (X - AXIS)										
	//		4	x	2	150.00		1.25	1,500.00	SFT	Pink
	//		4	x	2	150.00		1.00	1,200.00	SFT	Green
	//		6	x	2	40.00		1.25	600.00	SFT	blue
	Vertical (Y - AXIS)								-		
	//		2	x	2	152.25		1.25	761.25	SFT	Pink
	//		2	x	2	71.00		1.00	284.00	SFT	Pink
	//		4	x	2	71.00		1.25	710.00	SFT	Green
	//		16	x	2	40.00		1.00	1,280.00	SFT	Green
A	**Ground Floor**										
	Ground Floor Roof Slab Beam										

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	Horizantal (X - AXIS)										
	//		4	x	2	150.00		1.25	1,500.00	SFT	Pink
	//		4	x	2	150.00		1.00	1,200.00	SFT	Green
	//		6	x	2	40.00		1.25	600.00	SFT	blue
	Vertical (Y - AXIS)								-		
	//		2	x	2	152.25		1.25	761.25	SFT	Pink
	//		2	x	2	71.00		1.00	284.00	SFT	Pink
	//		4	x	2	71.00		1.25	710.00	SFT	Green
	//		16	x	2	40.00		1.00	1,280.00	SFT	Green
	Ground Slab								-		
	Slab		1	x	1	876.00		0.50	438.00	SFT	
	Stairs										
	Stair Waist		1	x	2	30.00		0.67	40.20	SFT	
	Stair Steps		20	x	2	5.00		0.50	100.00	SFT	
	Landing		2	x	2	10.00		0.67	26.67	SFT	
	Door & windows lintel										
	D-1		4	x	2	7.00		0.75	42.00	SFT	
	D-2		9	x	2	6.00		0.75	81.00	SFT	
	D-3		26	x	2	5.00		0.75	195.00	SFT	
	D-4		21	x	2	4.50		0.375	70.88	SFT	
	W-1		29	x	2	10.00		0.75	435.00	SFT	
	W-2		30	x	2	8.00		0.75	360.00	SFT	
	W-3		9	x	2	6.00		0.75	81.00	SFT	
	V-1		17	x	2	5.00		0.75	127.50	SFT	
	Lifts										
	Long wall		1	x	2	16.50		11.00	363.00	SFT	
	Short wall		3	x	2	8.00		11.00	528.00	SFT	
B	**First Floor**										
	First Floor Slab Beam										
	Horizantal (X - AXIS)										
	//		4	x	2	150.00		1.25	1,500.00	SFT	Pink
	//		4	x	2	150.00		1.00	1,200.00	SFT	Green
	//		6	x	2	40.00		1.25	600.00	SFT	blue
	Vertical (Y - AXIS)								-		
	//		2	x	2	152.25		1.25	761.25	SFT	Pink
	//		2	x	2	71.00		1.00	284.00	SFT	Pink
	//		4	x	2	71.00		1.25	710.00	SFT	Green
	//		16	x	2	40.00		1.00	1,280.00	SFT	Green
	First Slab										
	Slab		1	x	1	876.00		0.50	438.00	SFT	
	Stairs								-	SFT	
	Stair Waist		1	x	2	30.00		0.67	40.20	SFT	
	Stair Steps		20	x	2	5.00		0.50	100.00	SFT	
	Landing		2	x	2	10.00		0.67	26.67	SFT	
	Door & windows lintel										
	D-1		4	x	2	7.00		0.75	42.00	SFT	
	D-2		9	x	2	6.00		0.75	81.00	SFT	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	D-3		26	x	2	5.00		0.75	195.00	SFT	
	D-4		21	x	2	4.50		0.375	70.88	SFT	
	W-1		29	x	2	10.00		0.75	435.00	SFT	
	W-2		30	x	2	8.00		0.75	360.00	SFT	
	W-3		9	x	2	6.00		0.75	81.00	SFT	
	V-1		17	x	2	5.00		0.75	127.50	SFT	
	Lifts								-	SFT	
	Long wall		1	x	2	16.50		11.00	363.00	SFT	
	Short wall		3	x	2	8.00		11.00	528.00	SFT	
			Total Quantity						**26233.48**	**SFT**	
			Total Quantity						**2438.06**	**M2**	
15	06-30-b-02	V. Damp proof c/s plaster, 1 layer polythene 2coats bitumen Ratio 1:4 (0.75" thick)									
	External Building		1	x	1	645.00		5.00	3225.00	Sft	
			Total Quantity						**3225.00**	Sft	
			Total Quantity						**299.72**	**M2**	
16	07-04-a-05	1st class brick work in foundation and plinth inCement, sand mortar 1:6									
	External Walls		1	x	1	604.50	1.13	4.00	2,720.25	Cft	
	Internal walls										
	X-AXIS										
	//		20	x	1	5.00	0.75	4.00	300.00	Cft	
	//		12	x	1	13.89	0.75	4.00	500.04	Cft	
	//		1	x	1	98.75	0.75	4.00	296.25	Cft	
	//		3	x	1	32.00	0.75	4.00	288.00	Cft	
	//		3	x	1	39.50	1.13	4.00	533.25	Cft	
	//		4	x	1	21.50	1.50	4.00	516.00	Cft	
	//		1	x	1	40.25	0.75	4.00	120.75	Cft	
	//		1	x	1	38.75	0.75	4.00	116.25	Cft	
	//		1	x	1	16.13	1.13	4.00	72.56	Cft	
	//		1	x	1	24.00	0.75	4.00	72.00	Cft	
	//		1	x	1	23.38	0.75	4.00	70.13	Cft	
	//		2	x	1	15.25	0.75	4.00	91.50	Cft	
	//		1	x	1	30.89	0.75	4.00	92.67	Cft	
	Y-AXIS										
	//		6	x	1	17.750	0.38	4.00	159.75	Cft	
	//		1	x	1	24.880	0.75	4.00	74.64	Cft	
	//		1	x	1	108.600	0.75	4.00	325.80	Cft	
	//		3	x	1	15.750	0.75	4.00	141.75	Cft	
	//		16	x	1	13.880	0.75	4.00	666.24	Cft	
	//		2	x	1	23.375	0.75	4.00	140.25	Cft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	//		1	x	1	16.500	0.75	4.00	49.50	Cft	
	//		2	x	1	33.250	0.75	4.00	199.50	Cft	
	//		3	x	1	16.500	0.75	4.00	148.50	Cft	
	//		3	x	1	14.250	0.75	4.00	128.25	Cft	
	//		2	x	1	5.830	0.75	4.00	34.98	Cft	
	//		2	x	1	6.125	0.75	4.00	36.75	Cft	
	//		2	x	1	31.000	0.75	4.00	186.00	Cft	
	//		1	x	1	84.500	0.75	4.00	253.50	Cft	
	septic tank		3	x	2	8.00	0.75	5.00	180.00	Cft	
	septic tank		3	x	2	6.00	0.75	5.00	135.00	Cft	
	septic tank		3	x	2	6.00	0.75	5.00	135.00	Cft	
			Total Quantity						**8785.06**	Cft	
			Total Quantity						**248.73**	**M3**	
17	07-05-a-04	1st class brick work in ground floor Cement, sandmortar 1:5									
	Ground Floor										
	External Walls		1	x	1	604.50	0.75	10.00	4,533.75	Cft	
	Internal walls										
	X-AXIS										
	//		20	x	1	5.00	0.375	8.00	300.00	Cft	
	//		12	x	1	13.89	0.75	10.00	1,250.10	Cft	
	//		1	x	1	98.75	0.75	10.00	740.63	Cft	
	//		3	x	1	32.00	0.75	10.00	720.00	Cft	
	//		3	x	1	39.50	1.13	10.00	1,333.13	Cft	
	//		4	x	1	21.50	1.50	10.00	1,290.00	Cft	
	//		1	x	1	40.25	0.75	10.00	301.88	Cft	
	//		1	x	1	38.75	0.75	10.00	290.63	Cft	
	//		1	x	1	16.13	1.13	10.00	181.41	Cft	
	//		1	x	1	24.00	0.75	10.00	180.00	Cft	
	//		1	x	1	23.38	0.75	10.00	175.31	Cft	
	//		2	x	1	15.25	0.75	10.00	228.75	Cft	
	//		1	x	1	30.89	0.75	10.00	231.68	Cft	
	Y-AXIS										
	//		6	x	1	17.750	0.38	10.00	399.38	Cft	
	//		1	x	1	24.880	0.75	10.00	186.60	Cft	
	//		1	x	1	108.600	0.75	10.00	814.50	Cft	
	//		3	x	1	15.750	0.75	10.00	354.38	Cft	
	//		16	x	1	13.880	0.75	10.00	1,665.60	Cft	
	//		2	x	1	23.375	0.75	10.00	350.63	Cft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	//		1	x	1	16.500	0.75	10.00	123.75	Cft	
	//		2	x	1	33.250	0.75	10.00	498.75	Cft	
	//		3	x	1	16.500	0.75	10.00	371.25	Cft	
	//		3	x	1	14.250	0.75	10.00	320.63	Cft	
	//		2	x	1	5.830	0.75	10.00	87.45	Cft	
	//		2	x	1	6.125	0.75	10.00	91.88	Cft	
	//		2	x	1	31.000	0.75	10.00	465.00	Cft	
	//		1	x	1	84.500	0.75	10.00	633.75	Cft	
	W-1		29	x	1	12.00	0.75	2.50	652.50	Cft	
	Deduction of Door & windows										
	D-1		4	x	-1	5.00	0.75	8.50	(127.50)	Cft	
	D-2		9	x	-1	4.00	0.75	7.00	(189.00)	Cft	
	D-3		26	x	-1	3.00	0.75	7.00	(409.50)	Cft	
	D-4		21	x	-1	2.50	0.375	7.00	(137.81)	Cft	
	W-1		29	x	-1	8.00	0.75	5.50	(957.00)	Cft	
	W-2		30	x	-1	6.00	0.75	5.50	(742.50)	Cft	
	W-3		9	x	-1	4.00	0.75	5.50	(148.50)	Cft	
	V-1		17	x	-1	3.00	0.75	2.00	(76.50)	Cft	
			Total Quantity						**15984.96**	Cft	
			Total Quantity						**452.58**	M3	
17	07-05-a-04	1st class brick work in ground floor Cement, sandmortar 1:5									
	First Floor										
	External Walls		1	x	1	604.50	1.13	10.00	6,800.63	Cft	
	Internal walls										
	X-AXIS										
	//		28	x	1	5.00	0.375	8.00	420.00	Cft	
	//		18	x	1	13.88	0.75	10.00	1,873.80	Cft	
	//		1	x	1	100.25	0.75	10.00	751.88	Cft	
	//		1	x	1	82.25	0.75	10.00	616.88	Cft	
	//		1	x	1	97.25	0.75	10.00	729.38	Cft	
	//		1	x	1	56.25	0.75	10.00	421.88	Cft	
	//		1	x	1	32.00	0.75	10.00	240.00	Cft	
	//		1	x	1	41.00	0.75	10.00	307.50	Cft	
	//		1	x	1	31.50	0.75	10.00	236.25	Cft	
	//		1	x	1	24.00	0.75	10.00	180.00	Cft	
	//		1	x	1	24.25	0.75	10.00	181.88	Cft	
	//		1	x	1	7.13	0.375	10.00	26.72	Cft	
	Y-AXIS										
	//		6	x	1	17.75	0.375	8.00	319.50	Cft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	//		2	x	1	23.38	0.75	10.00	350.63	Cft	
	//		1	x	1	108.60	0.75	10.00	814.50	Cft	
	//		2	x	1	15.75	0.75	10.00	236.25	Cft	
	//		1	x	1	68.00	0.75	10.00	510.00	Cft	
	//		16	x	1	13.88	0.75	10.00	1,665.60	Cft	
	//		3	x	1	14.25	0.75	10.00	320.63	Cft	
	//		3	x	1	68.00	0.75	10.00	1,530.00	Cft	
	//		3	x	1	15.00	0.75	10.00	337.50	Cft	
	//		1	x	1	16.50	0.75	10.00	123.75	Cft	
	//		1	x	1	73.88	0.75	10.00	554.10	Cft	
	W-1		29	x	1	12.00	0.75	2.50	652.50	Cft	
	Deduction of Door & windows										
	D-1		4	x	-1	5.00	0.75	8.50	(127.50)	Cft	
	D-2		9	x	-1	4.00	0.75	7.00	(189.00)	Cft	
	D-3		26	x	-1	3.00	0.75	7.00	(409.50)	Cft	
	D-4		21	x	-1	2.50	0.375	7.00	(137.81)	Cft	
	W-1		29	x	-1	8.00	0.75	5.50	(957.00)	Cft	
	W-2		30	x	-1	6.00	0.75	5.50	(742.50)	Cft	
	W-3		9	x	-1	4.00	0.75	5.50	(148.50)	Cft	
	V-1		17	x	-1	3.00	0.75	2.00	(76.50)	Cft	
			Total Quantity						**17413.41**	Cft	
			Total Quantity						**493.02**	M3	
						Ground Floor			**452.58**	**M^3**	
						1st Floor			**493.02**	**M^3**	
						Grand Total Qty			**945.59**	**M^3**	
18	07-39-a	Providing and Fixing Face Work with Brick Tiles (Gutka) of size 2" x 2" x 9" on interior, exterior wall with cement sand mortar 1:3 including ties and scaffolding complete in all respects.									
	Front External Wall		1	x	1	605.00		22.00	13,310.00	Sft	
	Deduction of window		60	x	-1	6.00		6.00	(2,160.00)	Sft	
			Total Quantity						**11150.00**	Sft	
			Total Quantity						**1036.25**	**M2**	
20	13-08-b	Bitumen coating to plastered / cement concrete surface : 14 Ibs. per 100 sft.									
	Raft Foundation Top		1	x	1	21766.50			21,766.50	Sft	
	Raft side		1	x	1	645.00		2.25	1,451.25	Sft	
			Total Quantity						**23217.75**	Sft	
			Total Quantity						**2157.78**	**M2**	
22	09-16	Khuras on roof 2'x2'x6"									
		On Roof	4	x	1				4.00	No	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
			Total Quantity						4.00	No	
29	10-26-c-i	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/4" thick 12 x 12 Super Sunny White Marble									
		Ground Floor									
		Student Room (3 Person)	1	x	1	16.33	15.00		245.00	Sft	
		Store	1	x	1	6.75	15.00		101.25	Sft	
		Student Room (3 Person)	1	x	1	16.00	15.00		240.00	Sft	
		Student Room (3 Person)	1	x	1	16.00	15.00		240.00	Sft	
		Electric Room	1	x	1	6.75	15.00		101.25	Sft	
		Laundry Room	1	x	1	16.33	15.00		245.00	Sft	
		Student Room (3 Person)	1	x	1	16.00	15.00		240.00	Sft	
		Entrance	1	x	1	16.00	16.83		269.33	Sft	
		Student Room (3 Person)	1	x	1	16.33	15.00		245.00	Sft	
		Student Room (3 Person)	1	x	1	16.00	15.00		240.00	Sft	
		Student Room (3 Person)	1	x	1	16.00	15.00		240.00	Sft	
		Student Room (3 Person)	1	x	1	16.33	15.00		245.00	Sft	
		Student Room (3 Person)	1	x	1	15.00	17.25		258.75	Sft	
		Student Room (3 Person)	1	x	1	15.00	17.25		258.75	Sft	
		Student Room (3 Person)	1	x	1	15.00	17.25		258.75	Sft	
		Reception / Guard	1	x	1	15.00	18.00		270.00	Sft	
		Entrance	1	x	1	16.83	16.00		269.33	Sft	
		Entrance	1	x	1	16.83	16.00		269.33	Sft	
		Lobby	1	x	1	14.00	15.58		218.17	Sft	
		First Aid	1	x	1	15.00	33.08		496.25	Sft	
		F-Warden Room	1	x	1	15.00	16.00		240.00	Sft	
		Staff Room	1	x	1	15.00	17.58		263.75	Sft	
		CCTV Control Room	1	x	1	15.00	17.25		258.75	Sft	
		Dining Area	1	x	1	39.50	58.83		2,323.92	Sft	
		Store Room	1	x	1	15.00	14.25		213.75	Sft	
		Kitchen Staff	1	x	1	16.08	15.00		241.25	Sft	
		Superintendent Office	1	x	1	16.33	15.00		245.00	Sft	
		Admin Office	1	x	1	16.33	15.00		245.00	Sft	
		Lobby	1	x	1	15.25	13.17		200.79	Sft	
		C-Kitchen	1	x	1	31.58	15.00		473.75	Sft	
		Reception / Guard	1	x	1	16.00	15.00		240.00	Sft	
		Meeting room	1	x	1	23.83	15.00		357.50	Sft	
		Storage	1	x	1	16.33	15.00		245.00	Sft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
		corridor	1	x	1	3205.00			3,205.00	Sft	
		stair area	3	x	1	224.00			672.00	Sft	
						Total Quantity			**14376.62**	**Sft**	
						Total Quantity			**1336.12**	**M2**	
		First Floor									
		Room 3P	7	x	1	16.00	15.00		1,680.00	Sft	
		Room 3P	1	x	1	16.33	15.00		245.00	Sft	
		Room 3P	1	x	1	16.33	15.00		245.00	Sft	
		Room 3P	1	x	1	16.33	15.00		245.00	Sft	
		Room 3P	1	x	1	15.00	17.25		258.75	Sft	
		Room 3P	1	x	1	15.00	16.33		245.00	Sft	
		Room 3P	1	x	1	15.00	16.83		252.50	Sft	
		Room 3P	1	x	1	15.00	15.00		225.00	Sft	
		Room 3P	1	x	1	15.00	17.25		258.75	Sft	
		Room 3P	3	x	1	15.00	16.00		720.00	Sft	
		Room 3P	1	x	1	15.00	17.25		258.75	Sft	
		Room 3P	1	x	1	15.00	17.25		258.75	Sft	
		Room 3P	2	x	1	15.00	16.00		480.00	Sft	
		Room 3P	1	x	1	15.00	17.25		258.75	Sft	
		Room 3P	1	x	1	15.00	17.58		263.75	Sft	
		Room 3P	1	x	1	15.00	16.00		240.00	Sft	
		Room 3P	1	x	1	15.00	16.83		252.50	Sft	
		Room 3P	1	x	1	16.33	15.00		245.00	Sft	
		Room 3P	1	x	1	16.33	15.00		245.00	Sft	
		Electric Room	1	x	1	6.75	15.00		101.25	Sft	
		Store	1	x	1	6.75	15.00		101.25	Sft	
		Kitchen	1	x	1	7.00	8.58		60.08	Sft	
		R-Warden	1	x	1	16.83	15.00		252.50	Sft	
		Study Area	1	x	1	15.00	40.25		603.75	Sft	
		Prayer Area	1	x	1	24.25	15.00		363.75	Sft	
		Indoor Games	1	x	1	41.00	15.00		615.00	Sft	
		Waiting Area	1	x	1	15.25	15.75		240.19	Sft	
		corridor	1	x	1	4,047.00			4,047.00	Sft	
						Total Quantity			**13262.27**	**Sft**	
						Total Quantity			**1232.55**	**M2**	
						Total Quantity Ground Floor			**1336.12**	**M2**	
						Total Quantity First Floor			**1232.55**	**M2**	
						Total Quantity Ground to 4th Floor			**2568.67**	**M2**	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
30	10-45-a-i	Provide & lay marble fine dressed stone dado or skirting in white cement complete: 3/8" thick 12 x 12 Super Sunny White Marble									
		Ground Floor									
		Riser	3	x	20	5.00		0.50	150.00	Sft	
		Wall sideRiser	3	x	1	45.00		0.50	67.50	Sft	
		Riser	2	x	1	13.00		0.50	13.00	Sft	
		First Floor									
		Riser	3	x	20	5.00		0.50	150.00	Sft	
		Wall side Riser	3	x	1	45.00		0.50	67.50	Sft	
		Ground Floor									
		Skirting wall	1	x	1	3243.17		0.50	1,621.58	Sft	
		First Floor									
		Skirting wall	1	x	1	3308.66		0.50	1,654.33	Sft	
			Total Quantity						**3723.91**	**Sft**	
			Total Quantity						**346.09**	**M2**	
31	10-26-e	Providing and Laying marble fine dressed stone4-5 feet and 12" wide 1" thick for stairs steps									
		Ground Floor									
		Tread	3	x	20	5.00	1.00		300.00	Sft	
		Landing	3	x	2	5.50	5.00		165.00	Sft	
		Landing	1	x	2	9.00	15.00		270.00	Sft	
		Tread	1	x	2	13.00	1.00		26.00	Sft	
		First Floor									
		Tread	3	x	20	5.00	1.00		300.00	Sft	
		Landing	3	x	2	5.50	5.00		165.00	Sft	
			Total Quantity						**1226.00**	**Sft**	
			Total Quantity						**113.94**	**M2**	
32	10-38-a	Providing and Laying 1" Thick Super White Marble Slab Exceeding 12"x12" size Kitchen Top in White Cement including all labour for Grinding and Polishing.									
	Ground Floor										
	kitchen staff		1	x	1	32.00	2.50		80.00	Sft	
	C-Kitchen		1	x	1	47.00	2.50		117.50	Sft	
	First Floor										
	R-Wardan		1	x	1	16.00	2.50		40.00	Sft	
			Total Quantity						**237.50**	**Sft**	
			Total Quantity						**22.07**	**M2**	
34	10-39-c	Glazed tile 1/4" thick dado jointed in white cement complete : Printed Ceramic Tile - 6"x6"									
		On Slabs External side									

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
			1	x	1	595.50		0.50	297.75	Sft	
						Total Quantity			**297.75**	**Sft**	
						Total Quantity			**27.67**	**M2**	
34	10-50-a	Providing and Fixing Ceramic Floor Tiles of approved quality of Size : 12" x 12"									
		Ground/Floor									
		Bath	10	x	1	5.00	5.00		250.00	Sft	
		SH (Shower)	6	x	1	5.00	3.75		112.50	Sft	
		S-P Bath	3	x	1	5.00	6.58		98.75	Sft	
		Lavatory	3	x	1	15.00	6.75		303.75	Sft	
		Toilet	2	x	1	5.00	5.50		55.00	Sft	
		passage	1	x	1	17.75	4.25		75.44	Sft	
		First Floor									
		Bath	10	x	1	5.00	5.00		250.00	Sft	
		SH (Shower)	6	x	1	5.00	3.75		112.50	Sft	
		S-P Bath	3	x	1	5.00	6.58		98.75	Sft	
		Lavatory	3	x	1	15.00	6.75		303.75	Sft	
		Toilet	2	x	1	5.00	5.50		55.00	Sft	
		passage	1	x	1	17.75	4.25		75.44	Sft	
						Total Quantity			**1790.87**	Sft	
						Total Quantity			**166.44**	**M2**	
35	10-55-j	Providing and Fixing of Bath Room Tiles 12"x18" of approved quality									
		Ground/Floor									
		Bath	10	x	1	5.00	5.00	7.00	1,400.00	Sft	
		SH (Shower)	6	x	1	5.00	3.75	7.00	735.00	Sft	
		S-P Bath	3	x	1	5.00	6.58	7.00	486.50	Sft	
		Lavatory	3	x	1	15.00	6.75	7.00	913.50	Sft	
		Toilet	2	x	1	5.00	5.50	7.00	294.00	Sft	
		passage	1	x	1	17.75	4.25	7.00	308.00	Sft	
		Deduction of Doors									
		D-4	20	x	-1	2.50		7.00	(350.00)	Sft	
		First Floor									
		Bath	10	x	1	5.00	5.00	7.00	1,400.00	Sft	
		SH (Shower)	6	x	1	5.00	3.75	7.00	735.00	Sft	
		S-P Bath	3	x	1	5.00	6.58	7.00	486.50	Sft	
		Lavatory	3	x	1	15.00	6.75	7.00	913.50	Sft	
		Toilet	2	x	1	5.00	5.50	7.00	294.00	Sft	
		passage	1	x	1	17.75	4.25	7.00	308.00	Sft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
		Deduction of Doors									
		D-4	20	x	-1	2.50		7.00	(350.00)	Sft	
						Total Quantity			**7574.00**	Sft	
						Total Quantity			**703.90**	**M2**	
36	10-55-k	Providing and Fixing of Bath Room Tiles Border 12" x 3" of approved quality									
		Ground/Floor									
		Bath	10	x	1	5.00	5.00		200.00	Rft	
		SH (Shower)	6	x	1	5.00	3.75		105.00	Rft	
		S-P Bath	3	x	1	5.00	6.58		69.50	Rft	
		Lavatory	3	x	1	15.00	6.75		130.50	Rft	
		Toilet	2	x	1	5.00	5.50		42.00	Rft	
		passage	1	x	1	17.75	4.25		44.00	Rft	
		Deduction of Doors									
		D-4	20	x	-1	2.50			(50.00)	Rft	
		First Floor									
		Bath	10	x	1	5.00	5.00		200.00	Rft	
		SH (Shower)	6	x	1	5.00	3.75		105.00	Rft	
		S-P Bath	3	x	1	5.00	6.58		69.50	Rft	
		Lavatory	3	x	1	15.00	6.75		130.50	Rft	
		Toilet	2	x	1	5.00	5.50		42.00	Rft	
		passage	1	x	1	17.75	4.25		44.00	Rft	
		Deduction of Doors									
		D-4	20	x	-1	2.50			(50.00)	Rft	
						Total Quantity			**1082.00**	Rft	
						Total Quantity			**329.78**	**M**	
37	10-55-g	Providing and Fixing of Porcelain Floor Tile 24" x 24" of approved quality									
A		**Ground Floor**									
		Flooring									
		Enternce	1	x	1	30.00	20.00		600.00	Sft	
						Total Quantity			**600.00**	Sft	
						Total Quantity			**55.76**	**M2**	
38	10-60-a	Providing and laying 3/4"(19mm) thick Granite Black polished tiles of approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.									
		Ground Floor									

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
		Front Stairs									
		Tread	2	x	3	36.00	1.00		216.00	Sft	
		Riser	2	x	3	36.00		0.50	108.00	Sft	
		Landing	2	x	1	21.00	15.00		630.00	Sft	
			Total Quantity						**954.00**	Sft	
			Total Quantity						**88.66**	**M2**	
39	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick									
	Ground Floor										
	External Walls		1	x	1	604.50		10.00	6,045.00	Sft	
	Internal walls										
	X-AXIS										
	//		20	x	2	5.00		8.00	1,600.00	Sft	
	//		12	x	2	13.89		10.00	3,333.60	Sft	
	//		1	x	2	98.75		10.00	1,975.00	Sft	
	//		3	x	2	32.00		10.00	1,920.00	Sft	
	//		3	x	2	39.50		10.00	2,370.00	Sft	
	//		4	x	2	21.50		10.00	1,720.00	Sft	
	//		1	x	2	40.25		10.00	805.00	Sft	
	//		1	x	2	38.75		10.00	775.00	Sft	
	//		1	x	2	16.13		10.00	322.50	Sft	
	//		1	x	2	24.00		10.00	480.00	Sft	
	//		1	x	2	23.38		10.00	467.50	Sft	
	//		2	x	2	15.25		10.00	610.00	Sft	
	//		1	x	2	30.89		10.00	617.80	Sft	
	Y-AXIS										
	//		6	x	2	17.750		10.00	2,130.00	Sft	
	//		1	x	2	24.880		10.00	497.60	Sft	
	//		1	x	2	108.600		10.00	2,172.00	Sft	
	//		3	x	2	15.750		10.00	945.00	Sft	
	//		16	x	2	13.880		10.00	4,441.60	Sft	
	//		2	x	2	23.375		10.00	935.00	Sft	
	//		1	x	2	16.500		10.00	330.00	Sft	
	//		2	x	2	33.250		10.00	1,330.00	Sft	
	//		3	x	2	16.500		10.00	990.00	Sft	
	//		3	x	2	14.250		4.00	342.00	Sft	
	//		2	x	2	5.830		4.00	93.28	Sft	
	//		2	x	2	6.125		4.00	98.00	Sft	
	//		2	x	2	31.000		4.00	496.00	Sft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	//		1	x	2	84.500		10.00	1,690.00	Sft	
	Deduction of Door & windows										
	D-1		4	x	-2	5.00		8.50	(340.00)	Sft	
	D-2		9	x	-2	4.00		7.00	(504.00)	Sft	
	D-3		26	x	-2	3.00		7.00	(1,092.00)	Sft	
	D-4		21	x	-2	2.50		7.00	(735.00)	Sft	
	W-1		29	x	-1	8.00		5.50	(1,276.00)	Sft	
	W-2		30	x	-2	6.00		5.50	(1,980.00)	Sft	
	W-3		9	x	-2	4.00		5.50	(396.00)	Sft	
	V-1		17	x	-1	3.00		2.00	(102.00)	Sft	
			Total Quantity						**33106.88**	Sft	
			Total Quantity						**3076.85**	M2	
17	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick									
	First Floor										
	External Walls		1	x	1	604.50		10.00	6,045.00	Sft	
	Internal walls										
	X-AXIS										
	//		28	x	2	5.00		8.00	2,240.00	Sft	
	//		18	x	2	13.88		10.00	4,996.80	Sft	
	//		1	x	2	100.25		10.00	2,005.00	Sft	
	//		1	x	2	82.25		10.00	1,645.00	Sft	
	//		1	x	2	97.25		10.00	1,945.00	Sft	
	//		1	x	2	56.25		10.00	1,125.00	Sft	
	//		1	x	2	32.00		10.00	640.00	Sft	
	//		1	x	2	41.00		10.00	820.00	Sft	
	//		1	x	2	31.50		10.00	630.00	Sft	
	//		1	x	2	24.00		10.00	480.00	Sft	
	//		1	x	2	24.25		10.00	485.00	Sft	
	//		1	x	2	7.13		10.00	142.50	Sft	
	Y-AXIS										
	//		6	x	2	17.75		8.00	1,704.00	Sft	
	//		2	x	2	23.38		10.00	935.00	Sft	
	//		1	x	2	108.60		10.00	2,172.00	Sft	
	//		2	x	2	15.75		10.00	630.00	Sft	
	//		1	x	2	68.00		10.00	1,360.00	Sft	
	//		16	x	2	13.88		10.00	4,441.60	Sft	
	//		3	x	2	14.25		10.00	855.00	Sft	
	//		3	x	2	68.00		10.00	4,080.00	Sft	
	//		3	x	2	15.00		10.00	900.00	Sft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	//		1	x	2	16.50		10.00	330.00	Sft	
	//		1	x	2	73.88		10.00	1,477.60	Sft	
	Deduction of Door & windows									Sft	
	D-1		4	x	-2	5.00		8.50	(340.00)	Sft	
	D-2		9	x	-2	4.00		7.00	(504.00)	Sft	
	D-3		26	x	-2	3.00		7.00	(1,092.00)	Sft	
	D-4		21	x	-2	2.50		7.00	(735.00)	Sft	
	W-1		29	x	-1	8.00		5.50	(1,276.00)	Sft	
	W-2		30	x	-2	6.00		5.50	(1,980.00)	Sft	
	W-3		9	x	-2	4.00		5.50	(396.00)	Sft	
	V-1		17	x	-1	3.00		2.00	(102.00)	Sft	
			Total Quantity						**35659.50**	**Sft**	
			Total Quantity						**3314.08**	**M2**	
						Ground Floor			**3076.85**	**M2**	
						1st Floor			**3314.08**	**M2**	
						Grand Total Qty			**6390.93**	**M2**	
40	11-10-b	Cement plaster 3/8" thick under soffit of RCC roofslabs only upto 20' height : (1:3)									
B	Ground Floor Slab		1	x	1	19,512.00			19,512.00	Sft	
			Total Quantity						**19512.00**	**Sft**	
			Total Quantity						**1813.38**	**M2**	
C	1st Floor Slab		1	x	1	18,517.00			18,517.00	Sft	
			Total Quantity						**18517.00**	**Sft**	
			Total Quantity						**1720.91**	**M2**	
						Ground Floor			**1813.38**	**M^3**	
						1st Floor			**1720.91**	**M^4**	
						Grand Total Qty			**3534.29**	**M^2**	
41	11-09-c	Cement plaster 1:4 upto 20' height 3/4" thick									
	Ground Floor										
	Internal walls										
	X-AXIS										
	//		20	x	1	5.00		8.00	800.00	Sft	
	//		12	x	1	13.89		10.00	1,666.80	Sft	
	//		1	x	1	98.75		10.00	987.50	Sft	
	//		3	x	1	32.00		10.00	960.00	Sft	
	//		3	x	1	39.50		10.00	1,185.00	Sft	
	//		4	x	1	21.50		10.00	860.00	Sft	
	//		1	x	1	40.25		10.00	402.50	Sft	
	//		1	x	1	38.75		10.00	387.50	Sft	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	//		1	x	1	16.13		10.00	161.25	Sft	
	//		1	x	1	24.00		10.00	240.00	Sft	
	//		1	x	1	23.38		10.00	233.75	Sft	
	//		2	x	1	15.25		10.00	305.00	Sft	
	//		1	x	1	30.89		10.00	308.90	Sft	
	Y-AXIS										
	//		6	x	1	17.750		10.00	1,065.00	Sft	
	//		1	x	1	24.880		10.00	248.80	Sft	
	//		1	x	1	108.600		10.00	1,086.00	Sft	
	//		3	x	1	15.750		10.00	472.50	Sft	
	//		16	x	1	13.880		10.00	2,220.80	Sft	
	//		2	x	1	23.375		10.00	467.50	Sft	
	//		1	x	1	16.500		10.00	165.00	Sft	
	//		2	x	1	33.250		10.00	665.00	Sft	
	//		3	x	1	16.500		10.00	495.00	Sft	
	//		3	x	1	14.250		4.00	171.00	Sft	
	//		2	x	1	5.830		4.00	46.64	Sft	
	//		2	x	1	6.125		4.00	49.00	Sft	
	//		2	x	1	31.000		4.00	248.00	Sft	
	//		1	x	1	84.500		11.00	929.50	Sft	
	Deduction of Door & windows										
	D-1		4	x	-1	5.00		8.50	(170.00)	Sft	
	D-2		9	x	-1	4.00		7.00	(252.00)	Sft	
	D-3		26	x	-1	3.00		7.00	(546.00)	Sft	
	D-4		21	x	-1	2.50		7.00	(367.50)	Sft	
	W-1		29	x	-1	8.00		5.50	(1,276.00)	Sft	
	W-2		30	x	-1	6.00		5.50	(990.00)	Sft	
	W-3		9	x	-1	4.00		5.50	(198.00)	Sft	
	V-1		17	x	-1	3.00		2.00	(102.00)	Sft	
			Total Quantity						**12926.44**	Sft	
			Total Quantity						**1201.34**	M2	
17	11-09-c	Cement plaster 1:4 upto 20' height 3/4" thick									
	First Floor										
	Internal walls										
	X-AXIS										
	//		28	x	1	5.00		8.00	1,120.00	Sft	
	//		18	x	1	13.88		10.00	2,498.40	Sft	
	//		1	x	1	100.25		10.00	1,002.50	Sft	
	//		1	x	1	82.25		10.00	822.50	Sft	

	Subject :	Measurment Sheet										
						Measurment						
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	//		1	x	1	97.25		10.00	972.50	Sft	
	//		1	x	1	56.25		10.00	562.50	Sft	
	//		1	x	1	32.00		10.00	320.00	Sft	
	//		1	x	1	41.00		10.00	410.00	Sft	
	//		1	x	1	31.50		10.00	315.00	Sft	
	//		1	x	1	24.00		10.00	240.00	Sft	
	//		1	x	1	24.25		10.00	242.50	Sft	
	//		1	x	1	7.13		10.00	71.25	Sft	
	Y-AXIS										
	//		6	x	1	17.75		8.00	852.00	Sft	
	//		2	x	1	23.38		10.00	467.50	Sft	
	//		1	x	1	108.60		10.00	1,086.00	Sft	
	//		2	x	1	15.75		10.00	315.00	Sft	
	//		1	x	1	68.00		10.00	680.00	Sft	
	//		16	x	1	13.88		10.00	2,220.80	Sft	
	//		3	x	1	14.25		10.00	427.50	Sft	
	//		3	x	1	68.00		10.00	2,040.00	Sft	
	//		3	x	1	15.00		10.00	450.00	Sft	
	//		1	x	1	16.50		10.00	165.00	Sft	
	//		1	x	1	73.88		10.00	738.80	Sft	
	Deduction of Door & windows									Sft	
	D-1		4	x	-1	5.00		8.50	(170.00)	Sft	
	D-2		9	x	-1	4.00		7.00	(252.00)	Sft	
	D-3		26	x	-1	3.00		7.00	(546.00)	Sft	
	D-4		21	x	-1	2.50		7.00	(367.50)	Sft	
	W-1		29	x	-1	8.00		5.50	(1,276.00)	Sft	
	W-2		30	x	-1	6.00		5.50	(990.00)	Sft	
	W-3		9	x	-1	4.00		5.50	(198.00)	Sft	
	V-1		17	x	-1	3.00		2.00	(102.00)	Sft	
			Total Quantity						**14118.25**	Sft	
			Total Quantity						**1312.11**	M2	
						Ground Floor			**1201.34**	**M2**	
						1st Floor			**1312.11**	**M2**	
						Grand Total Qty			**2513.45**	**M2**	
42	13-25-a	Preparing surface & painting with snowcem / weathershield paint : First coat									
	external side								1,800.00	M2	
						Total Net Qty			**1,800.00**	**Sqm**	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
43	11-20-b	Providing and applying wall putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.									
	As Per Plaster Qty of Walls								8,904.37	M2	
	As Per Plaster Qty of Slabs								3,534.29	M2	
						Total Net Qty			**12,438.67**	**Sqm**	
44	13-22-a	Preparing surface and painting with emulsion paint: First coat									
	As Per Plaster Qty of Walls								8,904.37	Sqm	
						Total Net Qty			**8,904.37**	**Sqm**	
45	**11-21-a-03**	**Distempering New surface : Three coats**									
	As Per Plaster Qty of Slabs								3,534.29	Sqm	
						Total Net Qty			**3,534.29**	**Sqm**	
46	12-65-e-12	Supply and Fixing aluminium door/window,Swing Door Double Action Premium model (2.00mm gauge) 4" section									
	Ground Floor										
	Aluminium Doors		3	x	1	6.50		7.00	136.50	Sft	
						Total Quantity			**136.50**	**Sft**	
						Total Quantity			**12.69**	**M2**	
47	12-65-e-04	Supply and Fixing aluminium door/window,Swing Door Single Action Premium model (2.00mm gauge) 4" section									
	Doors										
	Aluminium Doors		3	x	1	3.00		7.00	63.00	Sft	
						Total Quantity			**63.00**	**Sft**	
						Total Quantity			**5.86**	**M2**	
48	12-64-e-03	Supply and Fixing aluminium door/window, FixedLouver in frame Deluxe model (1.60 mm gauge)2" section									
	external windows		36	x	1	6.00		5.50	1,188.00	Sft	
						Total Quantity			**1188.00**	**Sft**	
						Total Quantity			**110.41**	**M2**	
49	12-08-c	First class deodar wood wrought joinery in doors and windows etc. complete : 1.5" thick									
B	**Ground Floor**										
	D-1		4	x	1	5.00		8.50	170.00	Sft	
	D-2		9	x	1	4.00		7.00	252.00	Sft	
	D-3		26	x	1	3.00		7.00	546.00	Sft	
C	**1st Floor**										
	D-1		4	x	1	5.00		8.50	170.00	Sft	
	D-2		9	x	1	4.00		7.00	252.00	Sft	
	D-3		26	x	1	3.00		7.00	546.00	Sft	
						Total Quantity			**1936.00**	**Sft**	
						Total Quantity			**179.93**	**M2**	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
50	12-70-a	Supply and Fixing MS Sheet 16 guage(10" x 2") box type chowkats including fixing in position with all charges for Hold fast, Hinges and Painting etc									
B	**Ground Floor**										
	D-1		4	x	1	5.00		8.50	88.00	Rft	
	D-2		9	x	1	4.00		7.00	162.00	Rft	
	D-3		26	x	1	3.00		7.00	442.00	Rft	
C	**1st Floor**										
	D-1		4	x	1	5.00		8.50	88.00	Rft	
	D-2		9	x	1	4.00		7.00	162.00	Rft	
	D-3		26	x	1	3.00		7.00	442.00	Rft	
			Total Quantity						**1384.00**	**Rft**	
			Total Quantity						**421.82**	**M**	
51	12-84	First class deodar wood wrought joinery in doors and windows etc. complete : 1.5" thick									
A	**Ground Floor**										
	D-4		21	x	1	2.50		7.00	367.50	Sft	
B	**1st Floor**										
	D-4		21	x	1	2.50		7.00	367.50	Sft	
			Total Quantity						**735.00**	**Sft**	
			Total Quantity						**68.31**	**M2**	
52	12-58	doors with UPVC frame and chowkat including, locks and all hardware fittings, etc. complete in all respects									
B	**Ground Floor**										
	D-1		4	x	1	5.00			20.00	Rft	
	D-2		9	x	1	4.00			36.00	Rft	
	D-3		26	x	1	3.00			78.00	Rft	
C	**1st Floor**										
	D-1		4	x	1	5.00			20.00	Rft	
	D-2		9	x	1	4.00			36.00	Rft	
	D-3		26	x	1	3.00			78.00	Rft	
			Total Quantity						**268.00**	**Rft**	
			Total Quantity						**81.68**	**M**	
53	12-28-a	Providing and fixing wooden box type wardrobe 24" (600 mm) deep including 3/4" (19mm) thick boxing and shelves hanger rods, hardboard 3/16" (5mm) thick back drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including painting. (UV Medium Density Fibre High Gloss Board 3/4" (19mm) thick Shutters and shelves and back with 3/4" thick laminated veneer board)									

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
	Rooms		5	x	1	6.00		6.13	183.75	Sft	
	Wardrobe		38	x	1	7.00		6.10	1,622.60	Sft	
						Total Quantity			**1806.35**	**Sft**	
						Total Quantity			**167.88**	**M2**	
55	12-78-a	Kitchen Floor Cabinet as per approvedDesign/Specification..									
	Ground Floor										
	Floor		1	x	1	40.00		2.00	80.00	Sft	
	Floor		5	x	1	16.00		2.00	160.00	Sft	
	First Floor										
	Floor		1	x	1	40.00		2.00	80.00	Sft	
	Floor		5	x	1	16.00		2.00	160.00	Sft	
						Total Quantity			**480.00**	**Sft**	
						Total Quantity			**44.61**	**M2**	
56	12-78-b	Kitchen Wall Cabinet as per approvedDesign/Specification.									
	Ground Floor										
	wall		1	x	1	16.00		2.00	32.00	Sft	
	wall		1	x	1	16.00		2.00	32.00	Sft	
	First										
	wall		1	x	1	40.00		2.00	80.00	Sft	
	wall		1	x	1	16.00		2.00	32.00	Sft	
						Total Quantity			**176.00**	**Sft**	
						Total Quantity			**16.36**	**M2**	
57	12-24-a-01	Extra for providing/fixing approved quality Rimlocks : Imported									
B	**Ground Floor**										
	D-1		4	x	1				4.00	Nos	
	D-2		9	x	1				9.00	Nos	
	D-3		26	x	1				26.00	Nos	
C	**1st Floor**								-		
	D-1		4	x	1				4.00	Nos	
	D-2		9	x	1				9.00	Nos	
	D-3		26	x	1				26.00	Nos	
						Total Quantity			**78.00**	**Each**	
58	12-22-c-02	Providing and fixing sliding bolt to doors Brasssliding bolts : 12" long									
	For all Floor		1	x	1				78.00	Each	
						Total Quantity			**78.00**	**Each**	
61	12-64-a-06	Supply and Fixing aluminium door/window,Fixed Glazing Premium model (2.00 mm gauge) 4" section									
	Ground Floor										
	External Windows										

	Subject :	**Measurment Sheet**									
						Measurment					
S-No	**Item Code**	**Description**	**No**			**Length**	**Width**	**Hight**	**Quantity**	**Unit**	**Remarks**
	W-1		50	x	1	8.00		5.50	2,200.00	Sft	
						Total Quantity			**2200.00**	Sft	
						Total Quantity			**204.46**	**M2**	
62	12-65-a-06	Supply and Fixing aluminium door/window, Sliding Window Premium model (2.00 mm gauge) 4" section									
	Ground Floor										
	W-2		30	x	1	6.00		5.50	990.00	Sft	
	W-3		9	x	1	4.00		5.50	198.00	Sft	
	V-1		17	x	1	3.00		2.00	102.00	Sft	
	1st Floor										
	W-2		30	x	1	6.00		5.50	990.00	Sft	
	W-3		9	x	1	4.00		5.50	198.00	Sft	
	V-1		17	x	1	3.00		2.00	102.00	Sft	
						Total Quantity			**2580.00**	**Sft**	
						Total Quantity			**239.78**	**M2**	
63	12-64-d-05	Supply and Fixing aluminium door/window, Fly Screen shutter with separate outer frame Premium model (2.00 mm gauge) 2" section									
						Total Quantity Of Sliding Windows			**239.78**	**M2**	
						Total Quantity / 2			**119.89**	**M2**	
64	12-61	MS flat 1/2"x1/8" grill in windows of approved design									
	window		50	x	1	6.00		5.50	1,650.00	Sft	
	V-1		36	x	1	2.00		2.00	144.00	Sft	
						Total Quantity			**1794.00**	Sft	
						Total Quantity			**166.73**	**M2**	
65	11-18-a	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:2									
	Ground Floor to First Floor		2	x	1	605.00		12.00	14520.00	Sft	
	window		50	x	1	6.00		5.50	(1,650.00)	Sft	
						Total Quantity			**12870.00**	**Sft**	
						Total Quantity			**1196.10**	**M2**	
66	28-18	Providing and fixing with steel nails and washers, the chicken wire mesh of approved quality, at joint of concrete and masonry work (4" wide strip) before plastering etc complete.									
	Ground Floor to First Floor										
			80	x	2	0.50		11.50	920.00	Sft	
			2	x	1	100.00		0.50	100.00	Sft	
						Total Quantity			**1020.00**	**Sft**	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
						Total Quantity			**94.80**	**M2**	
68	25-47	Supply and fixing of fancy type stainless steel chromium plate 2" dia pipes stair railing 3/4" dia pipe fixed on specified space on steps in horizontal positions, complete in all respects									
	Ground Floor to First Floor										
	stairs		3	x	1	40.00			120.00	Rft	
	Front stairs		1	x	1	35.00			35.00	Rft	
						Total Quantity			**155.00**	**Rft**	
						Total Quantity			**47.24**	**M**	
69	12-73-a	Providing and fixing First class deodar wood projected beading upto one sq.inch.(6.5sq.cm.) wide in section, designed, fixed around the panels of doors, windows of any description.									
B	**Ground Floor**										
	D-1		4	x	1	5.00		8.50	88.00	Rft	
	D-2		9	x	1	4.00		7.00	162.00	Rft	
	D-3		26	x	1	3.00		7.00	442.00	Rft	
C	**1st Floor**										
	D-1		4	x	1	5.00		8.50	88.00	Rft	
	D-2		9	x	1	4.00		7.00	162.00	Rft	
	D-3		26	x	1	3.00		7.00	442.00	Rft	
						Total Quantity			**1384.00**	**Rft**	
						Total Quantity			**421.82**	**M**	
						On Both side			**843.65**	**M**	
70	13-06	Applying lacquer polish to wood work of any type									
B	**Ground Floor**										
	D-1		4	x	1	5.00		8.50	170.00	Sft	
	D-2		9	x	1	4.00		7.00	252.00	Sft	
	D-3		26	x	1	3.00		7.00	546.00	Sft	
C	**1st Floor**										
	D-1		4	x	1	5.00		8.50	170.00	Sft	
	D-2		9	x	1	4.00		7.00	252.00	Sft	
	D-3		26	x	1	3.00		7.00	546.00	Sft	
						Total Quantity			**1936.00**	Sft	
						Total Quantity X 2			**359.85**	**M2**	**Both sides**
71	28-15	Pre anti Termite Treatment in the building mixed with water of mixing ratio as per the manufacturer's certified manual									
	Raft		1	x	1	26000.00			26000.00	Sft	
						Total Quantity			**26000.00**	Sft	
						Total Quantity			**2416.36**	**M2**	

	Subject :	Measurment Sheet									
						Measurment					
S-No	Item Code	Description	No			Length	Width	Hight	Quantity	Unit	Remarks
75	24-40	Supplying and Fixing PVC Water Stopper 8" wide 3/8" thick. Providing and fixing PVC water stopper 8" wide 3/8" thick in verticle (Wall/Column) or horizontal (Floor/Slab) expansion joint inclusing cutting and jointing complete in all respects.									
		Raft	1	x	1	650.00			650.00	Rft	
		Lifts well	4	x	1	62.00			248.00	Rft	
			Total Quantity						**898.00**	Rft	
			Total Quantity						**273.70**	**M**	
76	16-79	Providing & laying stone soling in water logged area including granular filling & compaction complete.									
	Under Raft Foundation		1	x	1	25219.00		1.00	25219.00	Cft	
			Total Quantity						**25219.00**	**Cft**	
			Total Quantity						**714.01**	**M^3**	

PUBLIC HEALTH WORKS						
Sr #	**MRS-2024**	**Description**	**Unit**	**Rate (Rs.)**	**Qty.**	**Amount (Rs.)**
		Schedule Items				
		Part-1: PLUMBING FIXTURES				
1	14-01-a	Providing and Fixing glazed earthen ware WC European type of approved size excluding cost of seat & cover, complete in all respects: White	Each	11638.3	18	209,489.40
2	14-02-b	Providing and Fixing double seat & cover only : Plastic	Each	925.07	18	16,651.26
3	14-03-a	Providing and fitting glazed earthenware water closet (WC), squatter type (orisa pattern) combined with foot rest. complete in all respects : White	Each	2941.5	6	17,649.00
4	14-10-a	Providing and Fixing glazed earthen ware low down flushing cistern 3 gallons (13.63 Liters) capacity including bracket set, copper connection, etc. complete in all respects: White	Each	5604.51	6	33,627.06
5	14-05-a-01	hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: White with pedestal (Best Quality)	Each	9307.35	18	167,532.30
6	14-06-a	Providing and Fixing stainless steel sink with drain board size (120 x 60 cm) 48"x24", including set of brackets, waste pipe etc - (Best Quality)	Each	6855.31	2	13,710.62
7	14-86	bib-cock with Muslim Shower of approved quality Complete is all respects.	Each	2953.13	24	70,875.12
8	14-13	Providing and fixing choricum plated soap dish complete.	Each	855.47	24	20,531.28
9	14-15	Providing and Fixing CP (chromium plated) toilet paper holder complete	Each	828.99	24	19,895.76
10	14-16-a	Providing and Fixing chromium plated (CP) towel rail complete: 60 cm (24") long and 2 cm (3/4") dia	Each	1808.03	5	9,040.15
11	14-18-a	Providing and fixing best quality 5mm glass shelf (60 x 13) cm 24"x5" complete: With chromium plated brackets & railing	Each	1213.91	10	12,139.10
12	14-25-a	Providing and fixing chromium plated (CP) tee stop cock 1.5 cm (1/2") of approved quality	Each	962.76	45	43,324.20
13	14-21-c	Providing and fixing chromium plated (CP) double bib cock, heavy duty of approved quality : 1.5 cm (1/2")	Each	956.92	10	9,569.20
14	14-17-d	Providing and fixing 22" x 16" looking mirror of Imported glass complete with Aluminum frame of standared size & c.p screws.	Each	2529.23	5	12,646.15
15	14-24-a	Providing and fixing chromium plated (CP) bib-cock heavy duty of approved quality : 2 cm 3/4"	Each	1591.16	36	57,281.76
		Part-2: WATER SUPPLY				-

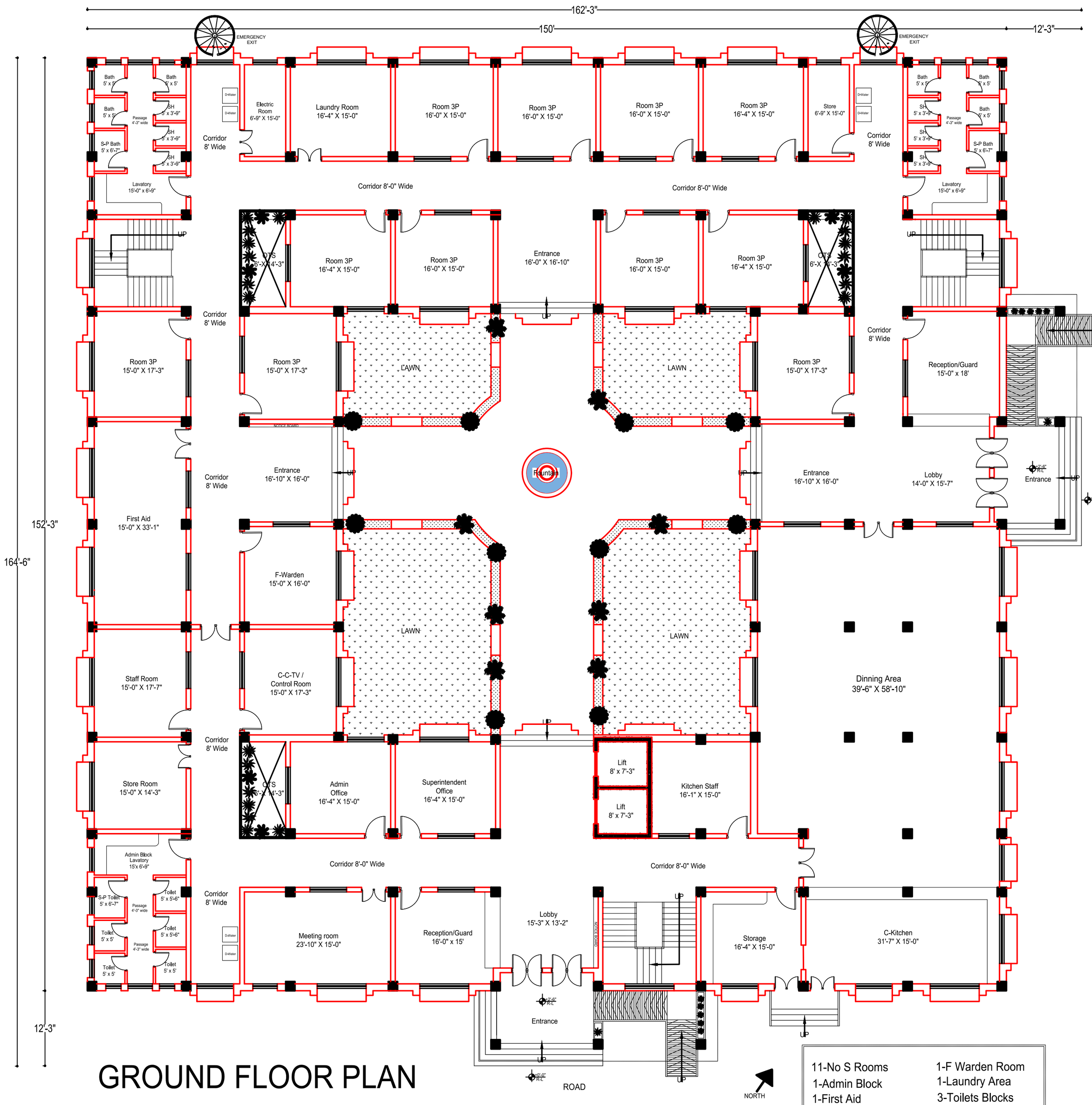
PUBLIC HEALTH WORKS						
Sr #	**MRS-2024**	**Description**	**Unit**	**Rate (Rs.)**	**Qty.**	**Amount (Rs.)**
16	14-35-a	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 3/4" i/d	m	197.22	230	45,360.60
17	14-35-b	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 1" i/d	m	237.35	230	54,590.50
18	14-35-c	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 1-1/4" i/d	m	341.24	180	61,423.20
19	14-35-d	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 1-1/2" i/d	m	474.4	150	71,160.00
20	14-35-e	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 2" i/d	m	760.82	119	90,537.58
21	24-16-a-06	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Heavy Approved Quality) including specials etc.Complete as per specifications except excavation. '2" Nominal Pipe Size (NPS)	m	3006.99	33	99,230.67
22	14-72-e	Providing of plumbing tape insulation on G.I pipe complete 2" dia	m	14.86	0	-
		Part-3: SEWERAGE & DRAINAGE				-
23	14-144-d	uPVC Soil, Waste and vent pipes conforming to ISO:3633 type "B" or BS-4514/5255 class "A" ,including imported rubber ring/solvent cement fittings, jointing, cutting, and breaking concrete/masonry and then making it good, applying painting, cleaning and testing etc. complete in all respects.(for sanitary drainage) : 2" dia	m	1082.81	20	21,656.20
24	14-144-c	Supplying and Fixing UPVC soil waste and vent pipe class B : 3" dia	m	1698.08	170	288,673.60
25	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	m	2335.47	130	303,611.10

PUBLIC HEALTH WORKS						
Sr #	**MRS-2024**	**Description**	**Unit**	**Rate (Rs.)**	**Qty.**	**Amount (Rs.)**
26	14-144-a	Supplying and Fixing UPVC soil waste and vent pipe class B : 6" dia	m	4266.68	69	294,400.92
27	14-33	Providing and Fixing 4" gully trap of approved quality including cement concrete cost of PVC grating 6" x6" (150 x 150 mm) and masonry chamber 12"x12" (300 x 300 mm).	Each	2122.65	50	106,132.50
28	14-164	uPVC Multi Floor Trap (110x75mm) including strainer; supports; making required number of connections; breaking concrete or masonry work & then making it good; etc.	Each	2029.5	50	101,475.00
29	14-27-b	Providing and fixing chorimum plated (CP) mixing valve for wash hand basin (WHB), sink or shower of approved (Normal) quality	Each	3289.73	10	32,897.30
30	14-47-a	Providing and Fixing 1/2" (12 mm) dia connection including check nuts etc of approved quality: Plastic rubber connection	Each	271.81	40	10,990.40
31	23-01-c	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1-1/2:3, with spigot, socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part-I, 1981 Class "L" including carriage, lowering in trenches to correct alignment and grade, jointing, cutting pipe where necessary, finishing and testing, etc. complete:- 9" dia:	m	1754.13	274	480,631.62
		HDPE Pipe				-
31	24-30-a-04	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except	m	702.62	70	49,183.40
32	24-49-a	Providing and Fixing Brass peet / gate valve heavy 1" dia	Each	1087.47	50	54,373.50
33	24-49-c	Providing and Fixing Brass peet / gate valve heavy 1.5" dia	Each	2133.9	25	53,347.50
34	24-49-d	Providing and Fixing Brass peet / gate valve heavy 2" dia	Each	3142.35	15	47,135.25
35	24-49-f	Providing and Fixing Brass peet / gate valve heavy 3" dia	Each	7299.27	8	58,394.16
36	15-220-a	Supply and fixxing of 40-50 Litres Electric Geyser including all accessories and fittings	no	30841.88	6	185,051.28
37	24-81	pumping having a discharge 7000 gallons per hour against a total head of 150 ft i/c cost of all allied accessories, commissioning testing etc, complete in all respects.	Each	812302.5	1	812,302.50
38	06-07-d-05	Providing manhole size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia.Concrete Cover fixed in 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces, channels and benching including making requisite number of main and branch channels but excluding the cost of excavation, back filling and	Each	19656.88	6	117,941.28

PUBLIC HEALTH WORKS						
Sr #	**MRS-2024**	**Description**	**Unit**	**Rate (Rs.)**	**Qty.**	**Amount (Rs.)**
Total of Schedule item)						**4,154,462.42**

INTERNAL ELECTRIFICATION							
S.No	MRS 2024 Item Code.	Description of Items	Units	MRS 2024 Quantity	Item Rate (Rs)	Total Amount (Rs)	Remarks
		SCHEDULE ITEMS					
1	15-50	Wiring of light/fan/call-bell point in 3/0.029" PVCinsulated barecable in PVC pipe recessed	Each	588.00	1945.36	1,143,871.68	
2	15-51	Wiring of 2/3-pin 5-Amp. plug point in 3/0.029"PVC insulated barecable in PVC pipe recessed	Each	60.00	644.23	38,653.80	
		Providing & Installation of following Sizes PVC Pipe Approved Brand					
3	15-02-b-02	Supply and Erection PVC pipe for wiring purposecomplete Recessed in walls including chase etc :3/4" i/d	m	180.00	385.33	69,359.40	
4	15-02-b-03	Supply and Erection PVC pipe for wiring purposecomplete Recessed in walls including chase etc :1" i/d	m	2,800.00	385.96	1,080,688.00	
5	15-02-b-06	Supply and Erection PVC pipe for wiring purposecomplete Recessed in walls including chase etc :2" i/d	m	52.00	557.77	29,004.04	
6	15-02-b-08	Supply and Erection PVC pipe for wiring purposecomplete Recessed in walls including chase etc :4" i/d	m	120.00	867.84	104,140.80	
		Supply an Erection of single core PVC insulated copper conductor cable					
7	15-05-a	Supply and Erection single core PVC insulatedcopper conductor250/440 V grade cable : 3/0.029" 1/2" i/d	m	1,300.00	97.42	126,646.00	
8	15-05-c	Supply and Erection single core PVC insulatedcopper conductor250/440 V grade cable : 7/0.029"	m	1,400.00	181.72	254,408.00	
9	15-05-d	Supply and Erection single core PVC insulatedcopper conductor250/440 V grade cable : 7/0.036"	m	1,600.00	227.81	364,496.00	
10	15-05-e	Supply and Erection single core PVC insulatedcopper conductor250/440 V grade cable : 7/0.044"	m	140.00	359.24	50,293.60	
	NOTE	**Supply an Erection of Ceiling Fans,Bracket Fans,Exhaust Fans Approved Brands Fans complete in all respects as per Instruction of Engineer Incharge.**					
11	15-67	Making hole in wall with necessary masonry workfor exhaust fan anysize complete	Each	24.00	280.13	6,723.12	
12	26-01-l-01	Supply and Erection of AC ENERGY EFFICIENTCEILING FANS 56 inch, 50 W	No	82.00	10532.92	863,699.44	
13	15-78	Supply and Fixing of 18" dia Direct axial WallBracket fan,1450Rpm, Max 50db sound level Fanshall be made with 99% purity Copper windings	Each	6.00	9836.72	59,020.32	
14	15-77-c	Supply and fixing electric AC exhaust/fresh aircirculation(Doubleway) 220/230 single phase plastic frame body andblade complete 12"x12"	Each	24.00	5776.98	138,647.52	
	NOTE	**Supply & Erection of Transpower auto circuit breaker 3-phase / 1- phase 400V Approved Brands complete in all respects as per Instruction of Engineer Incharge.**					
15	15-71-a	Supply and Erection single phase imported autocircuit breaker 6Amp.	Each	0.00	686.81	0.00	
16	15-71-b	Supply and Erection single phase imported autocircuit breaker 15Amp.	Each	15.00	686.81	10,302.15	
17	15-71-c	Supply and Erection single phase imported autocircuit breaker 20Amp.	Each	0.00	978.41	0.00	
18	15-70-a	Supply and Erection transpower auto circuitbreaker 3-phase, 400Vfungus moisture proofing : 30 Amp.	Each	0.00	1,962.00	0.00	
19	15-70-b	Supply and Erection transpower auto circuitbreaker 3-phase, 400Vfungus moisture proofing : 60 Amp.	Each	0.00	2,205.00	0.00	
20	15-72-b	Supply and Erection of bus bars 500 volts 3 phaseAC supply with 4copper bars - 100 Amp with bar size1 1 1/2" X1/8"	Each	0.00	10,254.75	0.00	
21	15-72-a	Supply and Erection of bus bars for 500 volts 3phase AC S/W 4copper bars 40 Amp with bar size 1 1/2" X 1/8"	Each	0.00	10,224.38	0.00	
22	15-75-b	Supply and Erection cubical type factoryfabricated floor/wallmounting steel main board comp. : Recessed	m2	0.00	32,271.61	0.00	
23	15-25	Supply and Erection girder clamp hook, 5/8"dia.for hanging ceilingfans	Each	82.00	338.29	27,739.78	
	NOTE	**Supply an Erection of four core PVC insulated non armored copper**					
24	15-122-c	Supply at site, installation, testing andcommissioning of PVC insulated un-armouredcopper conductor cable 600 / 1000 Volt grade (orotherwise mentioned in cable description) inprelaid conduits / trenches to be installed as perroutes shown on drawings including cost of allnecessary materials, connections, identificationtags, cables lugs properly crimped at both endsfor the following sizes complete in all respects.	RMtr	188.00	3152.5	592,670.00	10 mm SMDB TO DBL Horizantal

TENDER DRAWINGS



GROUND FLOOR PLAN

19512 SFT COVERED AREA

11-No S Rooms	1-F Warden Room
1-Admin Block	1-Laundry Area
1-First Aid	3-Toilets Blocks
1-Dining Hall/ Kitchen	



FIRST FLOOR PLAN

18517 SFT COVERED AREA

NORTH

28-No S Rooms	1-R Warden Room
1-Prayer Area	3-Toilets Blocks
1-Study Area	
1-Indoor Games	